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ABSTRACT

This report summarizes the findings of the analyses of data on course offerings in the public secondary schools of the United States. The study on academic trends during the 1972-73 and 1981-82 school years focused on courses in computer application, foreign languages, mathematics, social sciences, visual and performing arts, and vocational education. Section 1 presents the rationale for the study. Section 2 describes the methodology of the analysis. In the third section, a summary highlights enrollments in each of academic years, the courses which were most frequently offered, and those with the highest enrollment. Section 4 contains a summary of the trends in subject area enrollments over the nine-year period from 1973 to 1982. Section 5 presents tables displaying the findings reported in the previous two sections. The report concludes with a technical appendix describing the survey sample designs of the 1972 and 1982 surveys. (JD)

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A Trend Study of High School Offerings and Enrollments: 1972-73 and 1981-82

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1. INTRODUCTION

Over the past fifteen years, secondary schools have served both as a laboratory for new curricula and instructional ideas, and as a battleground for conflicts over the goals of secondary school education. Both histories are presently being chronicled for the public through a variety of commission and task force reports on the state of the American educational system.

To a great extent, the educational system is a reflection of the society in which it functions. Curriculum and instructional philosophies are tied to public concerns and problems. For example, concern over technological superiority was expressed in the mathematics and science curricula of the late fifties and early sixties, and concern for the education of the whole child was reflected in the popularity of special interest and personal development courses in the late sixties and seventies. The back-to-basics movement of the seventies arose partly from a public perception that the level of mathematical and linguistic literacy of our youth was woefully inadquate.

All of these changes and innovations in curriculum are now being questioned by the public, and by educators. Arguments centering around the question of the basic goal of secondary education are found in the education literature. Those who feel the goal should be a general preparation for life and further study wish to see a core curriculum required for all students.[1] Those who believe in specialized preparation in certain subject areas, such as mathematics or vocational preparation, are in favor of tracking students as to their interests and abilities.[2]

In 1982, the National Center for Education Statistics(NCES) analyzed the high school transcripts of 12,000 seniors to determine how well they had met

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1/ This position is taken by Mortimer Adler and the members of the Paideia Group and is discussed in The Paideia Proposal, New York: Macmillian Publishing Co., Inc., 1982. It is promoted to some extent by the National Commission on Excellence in Education, A Nation at Risk, Washington, D.C.: U.S. Government Printing Office, 1983.

2/ See A Nation at Risk.

the "New Basics" requirements recommended by the National Commission on Excellence in Education (NCEE).[3] NCEE had recommended that all students be required to take 3 years of mathematics, 3 years of science, 4 years of English, 3 years of social studies, and one-half year of computer science. For the college-bound, the Commission also recommended that two years of foreign language study be required. Of the requirements recommended, few were met by all high school graduates. According to NCES, only 1.8 percent of the students met all of the requirements in the "Five New Basics."

English and social studies were the two areas where the requirements were most frequently satisfied. Over a student's high school career, the number of credits earned each year in English tended to remain stable, while there was a steady decline in credits earned in math and science. Social studies credits declined after the 11th grade, while computer science credits increased, primarily in the 12th grade. Very few students ever took advanced courses in math or science.

It remains to be seen whether the recommendations of commissions such as NCEE will be adopted by school districts, and whether if adopted there would be little or no time left in the school day for electives. It also remains to be seen whether the number of credits required in these areas will be increased. Meanwhile, new developments in curriculum and instruction continue in the schools. Some examples of these developments include:

- Computer Applications: While increased use of computers is evident in all areas, including music and art, about 40 percent of secondary school students attended schools that offered no instruction in the use of computers. There is much debate over software development and its applications in secondary schools.

3/ "How Well Do High School Graduates of Today Meet The Curriculum Standards of the National Commission on Excellence?" National Center for Education Statistics bulletin, NCES 83-233, September, 1983.

The NEA, Educational Products Information Exchange and others are endeavoring to stimulate the development of improved educational software and to encourage the sharing of successful practices and products.

- Foreign Languages: Tests for foreign language proficiency have recently been developed by the American Council for the Teaching of Foreign Languages, and by the Educational Testing Service. Trends in foreign language instruction include: teaching through immersion in the language and associated culture; giving more practice in thinking in the language; using less rote repetition; introducing students to the cultural aspects of the language.

- Mathematics: A mathematics curriculum with three or more tracks has been suggested as a way of reaching all students, and particularly as a way of helping those with special interests and abilities. With this system, there can be a greater and earlier emphasis on statistics, real world applications, and the development of problem-solving skills.

- Social Studies: There has been a trend towards a reduction in electives, replacing these with a core curriculum consisting of: U.S. history, geography, economics, and government. Some social studies teachers have reported a decline in inquiry teaching which seemed to result from a back-to-basics perspective in their communities.

- Visual and Performing Arts: Arts curricula are being cut as budgets in school districts are affected by the economy. At the same time, people are recognizing the importance of the arts as a mechanism of concept development. Students are gaining some opportunities in the arts through independent art, music, and drama projects supported by their communities.

- Vocational Education: Two events, the development of more school-industry partnerships and an evolving re-structuring of the concept of the classroom as the sole source of academic credit,

are affecting the type of courses offered. As a consequence, group instruction is losing support, while integration of vocational and academic instruction is gaining in popularity.

These developments have had a significant impact upon the course offerings and course enrollments in our secondary schools over the past decade. New courses have emerged and other courses have become less important in the overall education of our young people. Enrollments have risen and declined as schools have adapted their curricula to social and economic influences.

While education professionals are well acquainted with the changes that have taken place in the education system in recent years, no attempt has been made to document the current status of the secondary school curricula nationwide. Moreover, no attempt has been made to assess present curricula in relation to those of a decade ago.

A Trend Study of Course Offerings and Enrollments

Evaluation Technologies Incorporated (ETI) of Arlington, Virginia was contracted with to conduct a trend study of course offerings and enrollments. The study focused on the course offerings and enrollments in public secondary schools, during the 1972-73 and 1981-82 academic years. The analyses were directed toward the overall study goals of:

- Establishing the importance of specific courses in the 1981-82 secondary school curriculum, as reflected in the number and percentage of schools offering courses, the total enrollments of these schools, and course enrollments;

- Identifying changes that have occurred in the emphasis placed on courses in the public secondary schools of today (i.e., the courses offered in the 1981-82 academic year) as compared with nine years ago; and

- Describing the relative importance of general subject areas in 1981-82 versus 1972-73.

Trend Data Sources

Data to investigate public secondary school course offerings and course enrollments were available through several surveys sponsored by the National Center for Education Statistics. Particularly useful were the data collected by:

- The 1973 Survey of Public Secondary School Offerings, Enrollments, and Curriculum Practices;
- The 1982 High School and Beyond Course Offerings and Course Enrollments Survey; and
- The 1982 High School and Beyond Transcripts Survey.

Data from the 1973 survey of public schools were used to produce 1972-73 national estimates of the number of courses offered in public secondary schools, the types of courses offered, and the student enrollment in these courses. Similar estimates were produced for the 1981-82 academic year from the two HS&B surveys conducted as part of the 1982 HS&B First Follow-up Study. Together, they provided the information needed to identify changes in course offerings and enrollments for specific courses (e.g., French I, American history, and elementary algebra), and for general subject areas (e.g., foreign language arts, social studies, and mathematics) over the nine-year period.

In evaluating any observed changes in enrollments for specific courses, the rader should keep in mind that between 1972 and 1982, there was an overall increase of about 14 percent in course-taking behavior -- resulting perhaps from a tendency of schools to offer more and shorter courses.

It also may be worthwhile to alert the reader to the fact that another, recently published, NCES report presents data which might, in superficial examination, appear to be inconsistent with some of the findings reported here.

This other report[1] examines changes in student course-work between 1972 and 1980 but is not really comparible with the present analysis because: (1) it considers a different span of grades (10 - 12 vs. 9 - 12); (2) it considers only 5 subject areas vs. all; and (3) its 1980 enrollment data are based on student questionnaire responses (as contrasted with the transcripts used in the present study).

Report Organization

This report summarizes the findings of the analyses of NCES data on course offerings and enrollments in the public secondary schools of the United States. The remainder of the report is organized into four sections and a technical appendix.

Section 2 of the report describes the methodology of the analysis. It contains a description of the inconsistencies between the 1973 survey and the 1982 survey. An overview of the adjustments made to compensate for these inconsistencies is presented along with discussion describing their impact on the study findings.

Section 3 summarizes the course offerings and course enrollments of U.S. public secondary schools during the two academic years for which survey data were analyzed. The summary highlights the courses which were most frequently offered and those with the highest enrollments in each of the academic years. The course offerings and enrollments in subjects of current concern to educators, decision makers, and the general public (e.g., mathematics, science, and foreign language courses) are also highlighted.

Section 4 contains a summary of the trends in subject area enrollments over the nine-year period from 1973 to 1982. The narrative focuses on subject areas that have experienced large increases or decreases in enrollments during this period. Findings relating to the emergence of new subject areas or course types are reported.

1/ High School Seniors: A Comparative Study of the Classes of 1972 and 1980, NCES 84-202, 1984.

Section 5 presents the tables on which the findings reported in the previous two sections are based. A description of table content and a guide to table use is given prior to the tables.

The report concludes with a technical appendix. The appendix describes the survey sample designs of the 1973 and 1982 surveys. Detailed descriptions of the adjustments made to compensate for the inconsistencies between the 1973 and 1982 surveys are provided. Procedures for calculating the standard errors of the estimates found in the report tables are discussed, and the standard errors of the estimates are presented in a series of tables.

2. OVERVIEW OF STUDY METHODOLOGY

As noted above, the data used for the analysis of secondary school course offerings and enrollments came from independent surveys. Consequently, the data were not directly comparable; certain adjustments were required prior to using the data in a comparative analysis.

The 1973 and 1982 course offerings and course enrollments surveys differed in two fundamental ways. First, the sampling frames of the two surveys reflected two different populations, resulting in different types of schools being selected for participation. In the 1973 survey, public schools with grade 7 or above were sampled. The 1982 survey was part of the larger HS&B First Follow-up study. The request for course offerings and course enrollments information was made of those schools whose students were selected for participation in the First Follow-up study. Consequently, the sample of the 1982 survey included private as well as public secondary schools. The school sample was restricted to those with a grade 12, i.e., schools that had no 1980 sophomore base year participants were excluded.

Secondly, certain key data items and coding structures were not consistent across the two surveys. In particular, the subject areas and course titles used in the 1973 survey, which appear in the survey's statistical publications, differed slightly from those used in the 1982 study of offerings and enrollments.[4] These variations reflected the changes in course offerings that have occurred over the past decade. Also, the 1973 survey collected total school membership by grade level and ascertained the upper and lower grade levels associated with placement in each course. The 1982 survey did not collect comparable data items, making it more difficult to estimate course enrollments for specific grade levels. The 1982 study collected data on total school membership and on school membership for the 10th and 12th grades, and included limited information on course grade levels.[5]

4/ See Osterndorf, Logan, Summary of Offerings and Enrollments in Public Secondary Schools, 1972-73, Washington, D. C.: U.S. Government Printing Office, 1975; and A Classification of Secondary School Courses, Evaluation Technologies Incorporated, 1982.

5/ Grade level data are available for certain courses as part of the CSSC codes.

Data adjustments to compensate for the discrepancies cited above involved modifying the data used from one or both of the surveys. The type of adjustment depended on the source of the discrepancy and on the objective of the analysis for which the data were to be used. These adjustments are described below.

2.1. Adjustments for Sampling Inconsistencies

The differences between the sampling frames of the two offerings and enrollments surveys, and thus, the types of schools represented by the data, were adjusted in two ways. First, only a public school subset of the data was analyzed from the 1982 survey. Secondly, only data from schools in the 1973 survey with a grade 12 were included in the analyses. These adjustments reduce the chances of the analyses producing misleading results, as a function of the differences between the samples.

The effects of these adjustments on the sample sizes of the two surveys are summarized in the Technical Appendix to this report. Selecting only those schools with a grade 12 in the 1973 survey to estimate 1972-73 course characteristics reduced the number of cases available for analysis from 7,852 to 5,379. Selecting public school only for the 1982 survey reduced the number of 1982 cases from 975 schools to 835 schools.

2.2. Adjustments for Course Title and Coding Inconsistencies

Differences in the course titles used in the two surveys were reconciled by using the 1972-73 course terminology. Thus, the 1982 course titles and course codes were redefined in terms of the earlier data.

It was not possible to redefine the 1982 data so that there was complete correspondence with the 1972-73 course titles and subject areas. Since the early 1970s, some courses are no longer taught in secondary schools, while other new courses have emerged. For example, a series of courses in the computer science field are now being offered in the secondary schools of the United States that were not previously available.[6]

6/ More information on the procedure used to adjust for course title and coding inconsistencies and the difficulties inherent in this procedure is found in the Technical Appendix to this report.

2.3 Adjustments for Enrollment Data Inconsistencies

Estimates of the number and percentage of U.S. secondary school course and subject area offerings were based on school-reported data in 1972-73 and 1981-82. Moreover, estimates of the 9th through 12th grade student enrollments in these schools came from data reported by the schools themselves.

The analysis of course enrollments was intended to be based on school-reported enrollment data. The unacceptable rate of nonresponse to the 1982 HS&B Offerings and Enrollments Survey request for course enrollments, however, required that alternative data be used for this purpose. Whereas school-reported enrollment data were used to estimate course enrollments during the 1972-73 academic year, estimates of 1981-82 course enrollments were derived from the data collected by the 1982 HS&B Transcripts Survey.

The 1981-82 course enrollments presented in the tables of this report are not directly comparable to the 1972-73 course enrollments. The 1981-82 estimates were based on the high school course-taking histories of a single student cohort, while the 1972-73 estimates were derived from the reported course enrollments throughout each school for a single school year. Nevertheless, the two types of estimates provide an indicator of the relative gain or loss in course enrollments between 1972 and 1982.

The assumptions underlying the use of student transcript data to estimate 1981-82 course enrollments are described in Section 5.2. The specific methods used to estimate course enrollments from student transcript data and the circumstances that led to the decision to use these data are outlined in the Technical Appendix to this report.

All of the planned analyses of course enrollments were limited to student enrollments in grades 9 through 12. In order to limit the analysis in this manner certain adjustments to the survey data were made.

The analyses of the high school enrollments and course enrollments required an estimate of the total school 9th through 12th grade enrollment for each of the survey years. For the 1973 survey, this estimate was calculated by

taking the weighted sum of the school-reported enrollments for grades 9, 10, 11, and 12. No direct estimate was available for the 1982 survey, however, since similar school grade level enrollment data were not collected. Instead, an estimate of the total national enrollment in grades 9 through 12 was obtained by summing the weighted enrollments reported by all high schools in the HS&B sample.[7]

The analyses of course enrollment data also required estimates of the number of 9th through 12th grade students enrolled in each individual course identified by the sampled schools. Since some of the schools in both the 1973 and 1982 samples had grades below grade 9 (e.g., 7th and 8th grades), steps were taken to reduce the chances of including students from lower grades in the estimates of 9th through 12th grade course enrollments.

First, courses with a grade designation below grade 9 were deleted from the analyses. Second, ETI's education specialists reviewed the courses listed by schools in the 1973 sample and determined the likelihood that they would include students below grade 9. Courses that were judged to have a high probability of including significant numbers of students from these lower grade levels were deleted from the analyses. If a course was deleted in 1973 it was also deleted from the 1982 data.

Restricting the analysis of course enrollments to the number of 9th through 12th grade students enrolled in the courses offered by the schools was less of a problem in 1982. As indicated previously, 1981-82 school year course enrollments were derived from student transcript data. Each transcript record contained information on the courses a student took when he or she was a freshman, sophomore, junior, and senior. Thus, course enrollments based on student transcript data translate directly to 9th through 12th grade enrollments.

1/ The major concern associated with the use of school-reported total enrollments was whether they represented only grade 9 through 12 enrollment or included the enrollment for grade ranges other than 9 through 12 (e.g., 7-12 or 8-12). Subsequent analyses supported the use of total high school enrollment as an estimate of grade 9 through 12 enrollment. These analyses and other information on the use of this variable are found in the Technical Appendix to this report.

3. A SUMMARY OF COURSE OFFERINGS AND COURSE ENROLLMENTS

Course offerings and course enrollments for the U.S. public secondary schools are presented for 1973 and 1982 in Tables 1 and 2, respectively. Each of these tables presents the following kinds of information with respect to over 400 aggregated course titles: (a) the number of (public) secondary schools offering that course, (b) that number expressed as a percentage of all public secondary schools, (c) the total enrollment among schools offering that course, (d) that enrollment expressed as a percentage of total enrollment throughout the nation (i.e., the percentage of students in the country who thematically could have taken the course), (e) total national enrollment[a] in that course, (f) that value expressed as a percentage of all students in the nation, and (g) that value expressed as a percentage of all students attending school when the course was offered.

3.1. Most Frequent Offerings

Only two course titles were offered in 90 percent or more of the estimated 15,309 public high schools of the United States in 1972-73. The two course titles were English, grades 9-12 and first-year typing. In addition, over 80 percent of the schools offered general math for grades 9 through 12, geometry, chemistry I/II, and band. When courses offered by more than 70 percent of the public schools were included, the list of courses most frequently offered during the 1972-73 academic year expanded to include: first-year shorthand, elementary algebra, intermediate algebra, choir/chorus, biology I, physics I/II, U.S. history grades 9-12, western civilization and history, and driver's education (classroom portion). Courses offered by at least 60 percent of the public secondary schools further included:

- Art I
- Bookkeeping I
- Public speaking I and II
- First-year Spanish

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a/ Enrollment figures and percentages may sometimes exceed 100 percent since a student who took more than one course in an area was counted once for each such course.

- Health and physical education, grade 9
- Health and physical education, grade 10
- First-year home economics
- Driver's education (practice/simulation)
- Second-year/third-year/fourth-year typing.

During 1981-82, English, grades 9-12 and first-year typing were joined by four course titles -- biology I; general math, grades 9-12; elementary algebra; and geometry, plane and solid -- as the only courses offered by 90 percent or more of the nation's high schools. Intermediate algebra, along with band, chemistry I/II, and grade 9 health and physical education were the only course titles from the most frequently offered courses in 1972-73 (i.e., those offered by at least 60 percent of the schools) that were offered by 80-89 percent of the schools during the later time period. Art I, first-year shorthand, second-year through fourth-year typing, choir/chorus, and western civilization and history which were offered by 60 percent or more of the schools in 1972-73, were offered in 70-79 percent of the schools in 1981-82.

Sixteen course titles were much more widely offered in 1981-82 than in 1972-73. Each of the following was offered by at least 60 percent of the schools in 1981-82 but by much smaller percentages in 1972-73. These courses were:

- General business
- Accounting
- Journalism
- Communication theory/speech/diction[8]
- First-year French
- Second-year Spanish
- Health, grades 9-12
- Carpentry/woodworking
- General science
- Chemistry and physics, college level
- American history
- American government
- Sociology/social organization
- Drafting/mechanical drawing
- Career education/occupational guidance
- Vocational group guidance.

8/ The difference between 1972-73 and 1981-82 course offerings is to a large extent a function of the classification schemes used. In 1972-73 many of the courses grouped to form this title are found under speech and public speaking I and II.

There were several course titles which were less widely offered in 1981-82 than in 1972-73. Physics I/II, which had been offered by 74 percent of the schools in 1972-73, was offered by 36 percent of the schools in 1981-82. U.S. history which had been offered by 75 percent of the 1972-73 schools was offered by only 46 percent of the schools in 1981-82. The other courses experiencing a similar decline were:

- Bookkeeping I
- Public speaking I and II
- Health and physical education, grade 10
- Driver's education (practice/simulation).

3.2. Courses with the Highest Enrollments

During the 1972-73 academic year, 16 of the course titles had enrollments of one million or more students. These courses are listed below:

- English, grades 9-12
- First-year typing
- Health, grades 9-12
- Health and physical education, all grades
- General math, grades 9-12
- Elementary algebra
- Geometry, plane and solid
- Choir/chorus/glee club
- Band
- Biology I
- Chemistry I/II
- U.S. history
- Western civilization and history
- American government
- Driver's education, classroom
- Driver's education, practice/simulation

With the exceptions of grade 12 health and physical education, chemistry I/II, and driver's education (practice/simulation), all courses which had enrollments of one million or more in the 1972-73 school year held the same status in 1981-82. In the latter year, eight additional courses had one million students enrolled. These were:

- Art I
- Developmental reading
- Composition
- General science

- First-year and second-year physical science
- American history
- Sociology/social organization
- Career education and occupational guidance.

Another seven courses had enrollments of 750,000 or more in 1981-82. These included: American literature, health and physical education for grade 12, chemistry I/II, first-year Spanish, intermediate algebra, carpentry/woodworking, and vocational group guidance.

Courses with at least 750,000 students enrolled during the 1972-73 school year included: art I, developmental reading, American literature, intermediate algebra, and composition. All but American literature and intermediate algebra had an enrollment of one million or more in 1981-82.

3.3. Offerings and Enrollments in Courses of Special Concern

As described in the introductory section of this report (see Section 1), the status of secondary school instruction in mathematics, science, foreign languages, vocational education, the arts, and the humanities has been a key concern of professional educators and of the general public. Consequently, course offerings and course enrollments in each of these subject areas were examined separately.

3.3.1. Mathematics

Nearly 88 percent of the public schools in 1972-73 offered one or more courses in mathematics compared with over 99 percent of the schools in 1981-82. A majority of the public secondary schools in both years offered courses in general math for grades 9-12, elementary and intermediate algebra, and geometry (plane and solid). During 1972-73, a majority of the schools offered courses in algebra and trigonometry but in 1981-82 only a minority of schools did so. A slight majority of the schools offered a course in applied mathematics in 1981-82.

The total enrollment in mathematics courses in 1972-73 was 6,619,000, representing 55 percent of the total public secondary school enrollment for that year. This figure does not include the approximately 468,000 students

who were enrolled in special and experimental math programs such as SMSG and ULCSM. Since no such programs were coded in the 1981-82 survey, they were not included in the analysis.

In 1981-82, the total enrollment in mathematics courses was about 9,850,000 which represented approximately 78 percent of the total high school enrollment of 12,660,537 students.

The largest enrollments in mathematics during both school years were in general mathematics for grades 9-12, elementary algebra, and plane and solid geometry. The percentage of the total U.S. enrollment in general mathematics and elementary algebra increased from 1973 to 1982, while the percentage in geometry stayed approximately the same over that period.

3.3.2. Science

In 1972-73, 89 percent of the public high schools offered one or more science courses but in 1981-82 virtually all schools (99.7 percent) did so. The most common science course in the earlier year was chemistry, but in the later year was biology.

Enrollment in the sciences was 6,119,000 students during the 1972-73 school year, increasing to 8,278,000 students during the 1981-82 period. In the earlier year, enrollment in the sciences represented 51 percent of the total high school enrollment and the same percent of high school enrollment in schools offering one or more science courses. The comparable percentages for the 1981-82 school year were 65 and 66, respectively. Therefore, in 1981-82 as compared with 1972-73, the number of students who took science courses constituted a larger percentage of all students, and also a larger percentage of those students who had the opportunity to take such courses.

During both years, the science course with the largest enrollment was biology I. The second largest enrollment in 1972-73 was in chemistry I/II, while in 1981-82 it was in general science.

The percent of the total high school enrollment participating in general science increased over the period. During the 1972-73 school year enrollment in general science represented 5 percent of the total high school enrollment. By the 1981-82 school year, enrollment in this course represented 14 percent of the total high school student enrollment. Over the same period, the percentage of students enrolled in general science in those schools offering the course increased slightly from 17 to 20 percent.

3.3.3. Foreign Languages

The percentage of public high schools offering foreign language instruction stayed relatively stable between the 1972-73 and 1981-82 school years. Approximately 83 percent of the schools in the earlier year offered one or more courses in foreign language compared with 84 percent of the schools in the later year. The most frequently offered courses during both years were first-and second-year Spanish followed by first- and second-year French. These were the only foreign language courses to be offered by a majority of the schools during both years. Moreover, French and Spanish were the only foreign languages which the majority of students had the option of studying in 1982 for four full years.

Foreign language enrollment over the nine-year period dropped slightly. During 1972-73, an estimated 3,067,000 students (26 percent of total enrollment) were enrolled in foreign language courses. In 1981-82 this figure had dropped to 2,953,000 students, or 23 percent of the total high school enrollment.

The largest 1972-73 enrollments in foreign language courses were in first- and second-year Spanish (6 and 5 percent, respectively). First-and second-year French each had an enrollment equal to 3 percent of the total high school enrollment. The same pattern existed in 1981-82 with 7 percent of the total high school enrollment in first-year Spanish and 4 percent in second-year Spanish. The percentages for first- and second-year French were three percent and two percent, respectively. The language in which the largest percentage of students enrolled for a third year of instruction was Spanish (less than 2 percent).

3.3.4. Vocational Education

A comparison of vocational education in 1972-73 and 1981-82 was made by examining the course offerings and course enrollment data for four subject areas--agriculture, business, home economics, and trades and industry. The results of this analysis revealed that the percentage of U.S. public secondary schools offering vocational education courses had increased from 1972-73 to 1981-82.

The largest increase was in the percentage of schools offering trade and industry courses. In 1972-73 only 24 percent of the schools offered instruction in this area but by 1981-82 this percentage had grown to 94. Over the same period, the percentage of schools offering courses in agriculture increased from 30 to 48 and for home economics the increase was from 80 to 96 percent. The increase for business was much smaller, 95 to 99 percent.

The individual vocational education courses most frequently offered in 1981-1982 were first-year typing, second- through fourth-year typing, first-year shorthand, general business, accounting, first-year home economics, and first- and second-year drafting and mechanical drawing. With the exception of accounting, these same courses were those most often offered in 1972-73.[9] In the earlier period, bookkeeping I was offered more frequently than accounting.

While the number of schools offering courses in agriculture, business, home economics, and trade and industry has increased, the percentage of students enrolled in these courses has stayed about the same with the exception of trade and industry. Moreover, as the number of schools offering agricultural courses has increased, the percentage of the students taking these courses in schools where they were offered has declined. For example, enrollment in agriculture courses represented 12 percent of the high school

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9/ Drafting/mechanical drawing was found primarily under industrial arts in 1972-73.

enrollment in schools offering these courses in 1972-73. While the number of schools offering agricultural courses in 1981-82 had increased by approximately 60 percent, the course enrollment in schools offering these types of study had declined by about 50 percent.

3.3.5. Arts

The analysis of arts education focused on two subject areas in Tables 1 through 3. The two areas were arts and music. The percentage of U.S. secondary schools offering instruction in the arts increased from 74 percent in 1972-73 to 90 percent in 1981-82.

The only art course offered by a majority of the schools in both years was art I. This introductory art course was offered by 61 percent of the secondary schools during 1972-73 and by 77 percent of the schools in 1981-82. The other course title offered by more than half the schools in 1981-82 was commercial and industrial design. Nearly 55 percent of the schools offered instruction in these areas in 1981-82 as compared with 12 percent in 1972-73.

Enrollment in the arts, like offerings in the arts, rose over the period. In 1972-73, 2,143,000 students were enrolled in arts courses, representing 18 percent of the total U.S. high school student enrollment. By 1981-82 enrollment in arts courses had increased to 3,061,000 students or 24 percent of the total high school enrollment. The course enrollment in schools offering these courses also increased between 1972-73 and 1981-82, indicating increased demand for this type of study.

Music offerings increased over the period, but not to the same extent as other arts offerings. During the 1972-73 school year, music was offered by 88 percent of the schools, increasing to 93 percent by 1981-82. In both years, the only courses offered by a majority of the schools were band and choir/chorus/glee club.

At the same time that the percentage of schools offering courses in music increased, the number and percentage of students enrolled in these courses declined. The total U.S. enrollment in music declined from 3,004,000 to

2,733,000 between 1973 and 1982. During the 1972-73 academic year, music enrollment represented 25 percent of the total U.S. secondary school enrollment. This percentage fell to 22 percent by 1981-82. A comparable decline occurred in the percentage of music enrollment based only on those enrollments in schools offering music courses.

3.3.6. Humanities

As was the case with the arts and vocational education, humanities offerings and enrollments data were not restricted to a single subject area in Tables 1 through 3. To analyze the humanities over the nine-year period, it was necessary to examine changes in the English language arts and the social sciences.[10] Foreign languages, another humanities area, was discussed earlier. Course offerings and enrollment estimates for each of these areas are summarized below.

English language arts courses were offered by virtually every public school with a grade 12 (99.9 percent) in both years. The most frequently offered course in 1972-73 and 1981-82 was English for grades 9 through 12. In 1972-73 English for grades 9 through 12 was followed by speech and public speaking, and journalism and school publications as frequently offered high school English language arts courses. During the 1981-82 school year, journalism and school publications was the second most frequent offering followed by communication/speech/diction.

English enrollment increased from 15,605,000 students during 1972-73 to 17,716,000 students during 1981-82. During the earlier year, English enrollment represented 130 percent[11] of the total U.S. high school enrollment

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10/ Not all of the courses listed under the social science area are typically defined as humanities offerings. Whether or not they are humanities courses depends on the content and orientation of the courses.

11/ Enrollment figures and percentages may sometimes exceed 100 percent since a student who took more than one course in an area was counted once for each such course.

of 11,974,683 students as compared with 140 percent of the 12,660,537 students in 1982. The predominant English course title in both years was English for grades 9 through 12.

The number and percentage of schools offering social science courses increased from 14,551 schools (95 percent) in 1972-73 to 15,646 schools (99.9 percent) in 1981-82. In 1972-73 only three social science titles were offered by a majority of the schools. These were: U.S. history, grades 9-12; western civilization and history, and American government. By 1981-82, western civilization and history and American government were joined by psychology, sociology and social organization, and career education and occupational guidance. The percentage of schools offering U.S. history, grades 9-12, declined to 46 percent of the schools; however, 64 percent of the schools offered American history and world background increasing from 23 percent.

Enrollment in the social sciences also increased over the nine-year period. The social science enrollment as a percentage of the U.S. total secondary school enrollment and as a percentage of the enrollment in those schools offering social science study stood at approximately 118 percent in 1981-82 as compared with 98 percent in 1972-73.

During the 1972-73 school year the three courses offered by the majority of the schools--U.S. history, grades 9-12, western civilization and history, and American government--each had an enrollment of over one million students.

U.S. history, grades 9-12, American government, American history and world backgrounds, western civilization and history and sociology and social organization, and career education and occupational guidance had the largest enrollments in 1981-82 with over one million students each.

4. A SUMMARY OF TRENDS IN SUBJECT AREA ENROLLMENTS

Changes in subject area enrollments from 1973 to 1982 were examined by comparing the aggregated enrollments in the courses listed under each subject area during the two academic years (see Table 3). Since students were tabulated once for each course they took within a given area, many students were counted more than once. Consequently, the number of students enrolled in each subject area and their percentage of the total high school enrollment in each subject area do not represent the number and percentage of unique students taking courses in these areas.

Seven subject areas with increased enrollments were English language arts, home economics, health and physical education, social sciences, mathematics, natural sciences, art, and vocational trade and industrial education. Among these, vocational trade and industrial education courses experienced the largest increase. Course enrollments in business were approximately the same in 1982 as they were in 1973. This was also true for industrial arts, agriculture, foreign languages, and R.O.T.C.

The only subject areas which experienced declining enrollments from 1973 to 1982 were safety and driver's education, and music. The decline in safety and driver's education was largely attributable to declines in practice driver's education.

4.1. New Subject Areas

New subject areas were added to Tables 2 and 3 reflecting areas of study in 1982 not found in 1973. The first of these, computer science, is a new area of study that has just begun to be incorporated into the high school curriculum.[12] In the 1981-82 school year, less than 50 percent of the schools offered instruction in this area. About 61 percent of all students attended schools with one or more offerings in computer science, but only 3

12/ The computer science subject area does not include computer courses offered under the business title computer operation/key punching/data processing. Another 88,656 students were enrolled in these courses. One or more of these courses were offered by 13 percent of the schools.

percent of the total student population took a computer science course. The 1982 enrollment in computer science courses was 344,000 students with the majority of this enrollment being about equally spread between computer programming and data processing courses. The enrollment in each of these two types of courses represented only 1 percent of the total U.S. secondary school enrollment.[13]

The second subject area added to the tables was allied health. This area of vocational education is treated separately here to highlight its emergence since the 1972-73 survey. During the 1981-82 school year, courses in this area were offered by 21 percent of the schools and were available to about 30 percent of all high school students.

The 1982 enrollment in allied health courses stood at 80,000 students representing less than one percent of the U.S. total secondary school student population. Enrollments in these courses accounted for two percent of the enrollment of the schools offering allied health courses.

The third area added to Table 2 does not form, as such, a specific area of study. Instead, it contains a set of 1981-82 courses that had no comparable titles in the earlier survey. The courses included under this miscellaneous heading are architecture and environmental design, industrial and home management services, parks and recreation, museology, and engineering.

Together, the enrollment in these courses was 38,000 students or less than one percent of the 1981-82 total high school enrollment. The largest enrollment was in engineering with 20,000 students.

13/ These data describe the situation as of 1982. Undoubtedly, the incidence of studying computer science and allied health is much greater today (1985).

5. DESCRIPTION OF THE TABLES AND A GUIDE TO THEIR USE

Three tables are included in this report. Table 1 summarizes the estimates of course offerings and course enrollments based on the 1973 survey of public secondary schools in the United States. Table 2 summarizes the estimates of course offerings and course enrollments based on the 1982 survey of U.S. public secondary schools and secondary school students. Table 3 presents the estimated total enrollment in 18 subject areas for the 1972-73 and 1981-82 academic years. Each of these tables and its use is described in more detail in the sections which follow.

5.1. Table 1

Table 1 summarizes the revised 1973 survey data on course offerings and course enrollments. Estimates of the number and percentage of schools offering courses across 15 subject areas and the number and percentage of students enrolled in these courses differ from those previously published by NCES for two reasons: (1) the data used to derive the estimates in the current study are from schools with a grade 12 whereas the earlier published estimates were based on data supplied by schools with a grade 7 or above; (2) the course titles listed in the tables sometimes differ from the course titles in the earlier publication due to changes in the secondary school curricula over the nine-year period covered by the two surveys and the effects of these changes on the different course coding schemes used by the two surveys.[14]

All estimates of course offerings and course enrollments reported in the tables have been expanded to represent all public secondary schools with a grade 12 and all students enrolled in these schools. The number of schools with a grade 12 in 1973 was 15,306 and the estimated number of students enrolled in these schools was 11,974,683.

The estimates reported in the seven columns of Table 1 are based on different types of data supplied by the sampled schools and provide different

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14/ These differences were discussed in Section 2.

types of information on public secondary school courses and course enrollments. Estimates of the number and percentage of schools offering individual course titles represent unique schools, i.e., schools offering more than one of the courses grouped to form a course title are counted only once. These estimates can be used to gauge the relative importance of individual courses and subject areas in the secondary school curriculum.

Estimates of the high school enrollments in schools offering individual course titles were computed by summing the school-reported enrollments in grade 9 through grade 12. The accompanying percentage relates these enrollment estimates to the total student enrollment in all public secondary schools. This percentage can be used as an indicator of the extent to which U.S. public secondary school students have the opportunity to study specific topics.

Estimates of individual course enrollments did not equate to the number of unique students enrolled in the courses. Since certain courses were grouped to identify the course titles listed in the table, some students were counted more than once. Thus, it was possible to have more students enrolled in a course or subject area than there were students in the population.

Two percentages were calculated for course enrollments. The first related course enrollment to the total public secondary school enrollment. The resulting value can be used to compare the relative overall participation of public secondary school students in a single course with participation in other courses. The second percentage related course enrollment to the high school enrollment of those schools actually offering a course. This estimate can be used to identify the relative demand for a course when the opportunity to take the course is available.

5.2. Table 2

Table 2 summarizes the 1982 course offerings and course enrollments data. It presents the same type of information as Table 1 and can be used to answer the same kinds of questions. As with Table 1, all estimates have

been expanded to represent all public secondary schools operating in 1982 with a grade 12 and all the students enrolled in these schools. The findings apply to 15,667 schools with a total grade 9 through grade 12 enrollment of 12,660,537 students.

Estimates of course offerings and the high school enrollment in schools offering courses were computed in the same way as they were in Table 1. Thus, the restrictions and applications of the Table 2 estimates are the same as for Table 1.

All estimates of course enrollments reported in Table 2 are based totally or in part on student transcript data rather than on school-reported course enrollment figures. This was necessary because the attempt to obtain enrollment figures from the HS&B sample schools met with an unacceptably high unit and item nonresponse rate.

Estimates of the U.S. enrollment in each course was computed by counting and properly weighting the number of students that enrolled in the course during their school career. Since transcript data were available on a single student cohort--graduating class of 1982--the time frame for the estimates of course enrollment now covers the period 1978-82 rather than 1981-82.

Use of the transcript-based estimates rests on two assumptions. First, it assumes that the course-taking patterns of 1982 freshman, sophomores, and juniors were the same as those of 1982 seniors. Secondly, it assumes that the courses available to students during the 1981-82 school year were available to students during the period 1978-1980.

The accuracy of the course enrollment estimates is dependent upon the validity of these assumptions. The reader is therefore alerted to use care in interpreting these estimates and in assigning significance to the course enrollment patterns in the table. A more detailed description of these estimates is provided in the Technical Appendix to this report.

5.3. Table 3

Table 3 compares the 1972-73 and 1981-82 school-year course enrollments in the subject areas listed in Tables 1 and 2. The procedures used to estimate

subject area enrollment figures were the same as those used for Tables 1 and 2. Percentages were based on the total U.S. public secondary school enrollment during the appropriate survey year.

5.4. Comparisons of 1972-73 and 1981-82 Course Offerings and Course Enrollments

The estimates presented in Tables 1 through 3 were developed to provide a means of comparing the course and subject area offerings in public secondary schools during the two survey years and the enrollments in these courses or areas. Care was taken to make the 1972-73 and 1981-82 data as comparable as possible. Nevertheless, absolute comparisons are not possible. Changes in course titles and the changing structure of the secondary school curriculum over the nine-year period covered by the two surveys made it extremely difficult to equate course titles in the later years with those found in the earlier survey. Thus, before concluding that the offerings or enrollments in a specific course have increased or decreased, the list of courses found in Tables 1 and 2 and the courses that were grouped to form the course titles (see Technical Appendix) should be examined. In some instances, course offerings and enrollment variations between 1973 and 1982 may be a function of the way in which courses were defined and grouped in each year.

It should also be noted that students took more courses in the latter year. The average number of courses per student was 6.01 in 1972 and 7.47 in 1982. The two data sets supply no explanation for this change. However, several educators have indicated that between 1972 and 1982 school periods increased in number and decreased in length.

The cautions concerning comparisons of 1972-73 and 1981-82 school year estimates of course offerings and course enrollments apply more to analyses of specific courses than they do to analyses of subject area offerings and enrollments. Discrepancies in the courses grouped to define course titles typically occur within a single subject area, i.e., a course is not usually moved from one subject area to another. Thus, subject area offerings and enrollments will not be sensitive to changes in the course titles subsumed

under them. All courses within a subject area and their accompanying enrollments will be captured in the aggregated values regardless of the placement or grouping of the courses. Nevertheless, the larger number of courses in 1981-82 should be considered when comparing enrollments across years.

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TABLE 1.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1972-73

(U.S. TOTAL SECONDARY SCHOOLS = 15,306; U.S. TOTAL SECONDARY ENROLLMENT = 11,974,683)

AGRICULTURE 1973

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	THIS COURSE AS % OF TOTAL SECONDARY ENROLLMENT	THIS COURSE AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
AGRICULTURE TOTAL	4,550	29.7	2,665	22.3	322	2.7	12.1
AGRICULTURE, 1ST YEAR	4,104	26.8	2,205	18.4	120	1.0	5.4
AGRICULTURE, 2ND YEAR	3,754	24.5	2,012	16.8	79	0.7	3.9
AGRICULTURE 3RD/4TH YEAR	3,122	20.4	1,589	13.3	84	0.7	5.3
AGRICULTURE MANAGEMENT/PRODUCTION/SUPPLIES	322	2.1	267	2.2	9	0.1	3.4
AGRICULTURE MECHANICS/CONSTRUCTION	509	3.3	317	2.6	14	0.1	4.4
ORNAMENTAL HORTICULTURE	250	1.6	338	2.8	10	0.1	3.0
AGRICULTURE RESOURCE/CONSERVATION/FORESTRY	182	1.2	182	1.5	6	0.0	3.2

a/ Percentages less than five-tenths of one percent are rounded to zero.

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TABLE 1.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1972-73

(U.S. TOTAL SECONDARY SCHOOLS = 15,306; U.S. TOTAL SECONDARY ENROLLMENT = 11,974,683)

ART 1973

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
ART TOTAL	11,329	74.0	10,888	90.9	2,143	17.9	19.7
ART I	9,296	60.7	8,866	74.0	767	6.4	8.6
ART II	6,938	45.3	6,652	55.5	266	2.2	4.0
ART III/IV AND ART STUDIO	5,672	37.1	6,446	53.8	203	1.7	3.1
ART APPRECIATION/HISTORY	1,311	8.6	1,823	15.2	88	0.7	4.8
DESIGN, COMMERCIAL/INDUSTRIAL	1,834	12.0	2,936	24.5	80	0.7	2.7
GRAPHICS	920	6.0	1,283	10.7	29	0.2	2.3
CRAFTS	1,855	12.1	2,564	21.4	162	1.4	6.3
JEWELRY AND METALWORK	1,051	6.9	1,635	13.7	65	0.5	4.0
POTTERY AND CERAMICS	2,485	16.2	3,468	29.0	178	1.5	5.1
PAINTING/DRAWING/DESIGN	3,003	19.6	3,886	32.5	204	1.7	5.2
PHOTOGRAPHY/FILMMAKING	983	6.4	1,418	11.8	63	0.5	4.5
SCULPTURE	1,091	7.1	1,582	13.2	37	0.3	2.3

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TABLE 1.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1972-73

(U.S. TOTAL SECONDARY SCHOOLS = 15,306; U.S. TOTAL SECONDARY ENROLLMENT = 11,974,683)

BUSINESS 1973

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
BUSINESS TOTAL	14,605	95.4	11,635	97.2	5,763	48.1	49.5
EXPLORATORY/GENERAL BUSINESS	7,827	51.1	7,155	59.8	465	3.9	6.5
ACCOUNTING	2,129	13.9	2,508	20.9	98	0.8	3.9
BOOKKEEPING I	10,674	69.7	8,569	71.6	473	3.9	5.5
BOOKKEEPING II/III/IV	3,070	20.1	3,671	30.7	65	0.5	1.8
RECORDKEEPING	3,064	20.0	3,892	32.5	161	1.3	4.1
BUSINESS ARITHMETIC/MATHEMATICS[1]	5,480	35.8	5,539	46.3	337	2.8	6.1
BUSINESS COMMUNICATION/CORRESPONDENCE	2,896	18.9	3,255	27.2	110	0.9	3.4
BUSINESS LAW	6,331	41.4	7,044	58.8	230	1.9	3.3
BUSINESS MACHINES, 1ST/2D YEAR	3,631	23.7	4,326	36.1	151	1.3	3.5
CLERICAL PRACTICE/OFFICE WORK EXPERIENCE[2]	4,073	26.6	4,568	38.1	158	1.3	3.5
COMPUTER OPERATION/KEY PUNCH/DATA PROCESSING	2,007	13.1	2,995	25.0	89	0.7	3.0
CONSUMER ECONOMICS[3]	1,548	10.1	1,661	13.9	56	0.5	3.4
CONSUMER EDUCATION[4]	892	5.8	1,134	9.5	57	0.5	5.0
ECONOMICS/FINANCE/BUSINESS MANAGEMENT	3,657	23.9	3,847	32.1	115	1.0	3.0
MARKETING AND DISTRIBUTION	831	5.4	1,175	9.8	38	0.3	3.2
RETAILING/WHOLESALING	909	5.9	1,379	11.5	42	0.4	3.1
SALESMANSHIP	1,352	8.8	1,901	15.9	49	0.4	2.6
SHORTHAND FOR PERSONAL USE	1,869	12.2	2,370	19.8	58	0.5	2.4
SHORTHAND, 1ST YEAR	10,970	71.7	9,767	81.6	370	3.1	3.8
SHORTHAND, 2D YEAR/ADVANCED	5,828	38.1	6,640	55.4	121	1.0	1.8
SECRETARIAL PRACTICES	4,345	28.4	4,056	33.9	97	0.8	2.4
TYPEWRITING FOR PERSONAL USE	4,688	30.6	5,150	43.0	343	2.9	6.7
TYPEWRITING, 1ST YEAR	13,842	90.4	11,122	92.9	1,631	3.6	14.7
TYPEWRITING, 2D/3D/4TH YEAR	9,930	64.9	8,845	73.9	451	3.8	5.1

1) 'Business Arithmetic/Mathematics' is listed as part of line item 'Applied Mathematics' under '11. Mathematics' in the 1982 Table.

2) 'Clerical Practice/Office Work Experience' is now partially included in 'Vocational Group Guidance/Exploratory' under '17. Trades and Industry' in the 1982 Table.

3) 'Consumer Economics' is listed as a line item under '15. Social Science' in the 1982 Table.

4) 'Consumer Education' is listed as a line item under '09. Home Economics' in the 1982 Table.

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TABLE 1.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1972-73

(U.S. TOTAL SECONDARY SCHOOLS = 15,306; U.S. TOTAL SECONDARY ENROLLMENT = 11,974,683)

ENGLISH LANGUAGE ARTS 1973

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
ENGLISH LANGUAGE ARTS TOTAL	15,291	99.9	11,975	100	15,605	130.3	130.3
ENGLISH, N.E.C.	618	4.0	653	5.4	200	1.7	30.6
ENGLISH, GRADES 9 TO 12	14,795	96.7	11,540	96.4	8,599	71.8	74.5
READING, DEVELOPMENTAL	6,574	43.0	6,771	56.5	904	7.6	13.4
SPELLING	191	1.2	136	1.1	19	0.2	14.3
LINGUISTICS	546	3.6	689	5.8	53	0.4	7.7
GRAMMER/VOCABULARY/SEMANTICS	654	4.3	775	6.5	65	0.5	8.4
LITERATURE, SPECIFIC/N.E.C.	838	5.5	951	7.9	128	1.1	13.4
LITERATURE, AMERICAN	5,789	37.8	4,913	41.0	849	7.1	17.3
LITERATURE, BIBLE/RELIGIOUS	933	6.1	1,355	11.3	48	0.4	3.6
LITERATURE, ENGLISH	4,999	32.7	4,180	34.9	418	3.5	10.0
LITERATURE, EASTERN/WESTERN/WORLD	3,284	21.5	3,541	29.6	347	2.9	9.8
LITERATURE, BLACK AND OTHER ETHNIC	1,388	9.1	1,868	15.6	85	0.7	4.6
LITERATURE, 20TH CENTURY	2,454	16.0	2,789	23.3	279	2.3	10.0
SHORT STORY	1,601	10.5	1,656	13.8	153	1.3	9.2
FICTION AND FANTASY/SCIENCE FICTION	699	4.6	994	8.3	73	0.6	7.4
POETRY	1,291	8.4	1,518	12.7	70	0.6	4.6
THE NOVEL	1,480	9.7	1,514	12.6	115	1.0	7.6
HORROR/SUSPENSE/MYSTERY	254	1.7	359	3.0	40	0.3	11.1
LITERATURE FOR ADOLESCENTS/ATHLETES	199	1.3	270	2.3	20	0.2	7.5
MYTH AND LEGEND	1,590	10.4	1,942	16.2	122	1.0	6.3
HUMANITIES	570	3.7	793	6.6	41	0.3	5.2
PROBLEM-SOLVING THROUGH LITERATURE/GREAT IDEAS	514	3.4	754	6.3	62	0.5	8.2
COMPOSITION	4,833	31.6	4,978	41.6	798	6.7	16.0
JOURNALISM/SCHOOL PUBLICATIONS	7,698	50.3	8,242	68.8	294	2.5	3.6
CREATIVE WRITING	4,717	30.8	5,454	45.5	253	2.1	4.6
ARGUMENTATION AND DEBATE	2,193	14.3	2,683	22.4	62	0.5	2.3
COMMUNICATION THEORY/SPEECH/DICTION	539	3.5	624	5.2	42	0.4	6.8
SPEECH AND PUBLIC SPEAKING I & II	9,649	63.0	8,704	72.7	591	4.9	6.8
SPEECH THROUGH MASS MEDIA	1,755	11.5	2,153	18.0	183	1.5	8.5
RADIO/TV AND FILM	1,294	8.5	1,993	16.6	130	1.1	6.5
INTRODUCTION TO THEATRE/DRAMA	4,866	31.8	5,905	49.3	236	2.0	4.0
ACTING/PLAY PRODUCTION/CREATIVE DRAMATICS	2,206	14.4	2,922	24.4	122	1.0	4.2
DRAMATIC LITERATURE/SHAKESPEARE	2,011	13.1	2,446	20.4	101	0.8	4.1
LIBRARY AND MEDIA PRACTICES	2,034	13.3	1,957	16.3	100	0.8	5.1
EDUCATION (TEACHER TRAINING)	63	0.4	71	0.6	2	0.0	3.4

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TABLE 1.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1972-73

(U.S. TOTAL SECONDARY SCHOOLS = 15,306; U.S. TOTAL SECONDARY ENROLLMENT = 11,974,683)

FOREIGN LANGUAGES 1973

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
FOREIGN LANGUAGES TOTAL	12,657	82.7	11,436	95.5	3,067	25.6	26.8
GREEK/CLASSICAL LANGUAGES	35	0.2	82	0.7	1	0.0	1.4
LATIN, 1ST YEAR	3,626	23.7	4,941	41.3	88	0.7	1.8
LATIN, 2D YEAR	3,774	24.7	5,099	42.6	66	0.6	1.3
LATIN, 3D YEAR	1,765	11.5	2,715	22.7	16	0.1	0.6
LATIN, 4TH/5TH/6TH YEAR/COLLEGE LEVEL	940	6.1	1,504	12.6	7	0.1	0.4
CHINESE, 1ST/2D/3D/4TH YEAR	54	0.4	109	0.9	3	0.0	2.8
ENGLISH AS A FOREIGN LANGUAGE	533	3.5	1,027	8.6	25	0.2	2.4
FRENCH, 1ST YEAR	8,320	54.4	9,504	79.4	335	2.8	3.5
FRENCH, 2D YEAR	8,019	52.4	9,522	79.5	330	2.8	3.5
FRENCH, 3D YEAR	5,765	37.7	7,763	64.8	166	1.4	2.1
FRENCH, 4TH/5TH/6TH YEAR/COLLEGE LEVEL	4,065	26.6	5,914	49.4	77	0.6	1.3
GERMAN, 1ST YEAR	4,497	29.4	6,166	51.5	165	1.4	2.7
GERMAN, 2D YEAR	4,290	28.0	6,127	51.2	129	1.1	2.1
GERMAN, 3D YEAR	3,216	21.0	5,029	42.0	53	0.4	1.1
GERMAN, 4TH/5TH/6TH YEAR/COLLEGE LEVEL	1,866	12.2	2,992	25.0	20	0.2	0.7
HEBREW, MODERN AND CLASSICAL	112	0.7	295	2.5	6	0.0	1.9
ITALIAN, 1ST YEAR	423	2.8	870	7.3	17	0.1	2.0
ITALIAN, 2D/3D/4TH/5TH YEAR	336	2.2	708	5.9	16	0.1	2.3
JAPANESE, 1ST YEAR	47	0.3	95	0.8	3	0.0	3.6
JAPANESE, 2D/3D/4TH/5TH YEAR	43	0.3	92	0.8	3	0.0	3.2
PORTUGUESE, 1ST/2D/3D/4TH YEAR	29	0.2	56	0.5	2	0.0	3.9
RUSSIAN, 1ST YEAR	481	3.1	918	7.7	7	0.1	0.8
RUSSIAN, 2D YEAR	439	2.9	812	6.8	5	0.0	0.7
RUSSIAN, 3D/4TH/5TH YEAR/COLLEGE LEVEL	288	1.9	556	4.6	5	0.0	0.8
SPANISH FOR NATIVE SPEAKING	81	0.5	180	1.5	7	0.1	3.7
SPANISH, 1ST YEAR	9,624	62.9	10,026	83.7	670	5.6	6.7
SPANISH, 2D YEAR	9,044	59.1	9,906	82.7	534	4.5	5.4
SPANISH, 3D YEAR	6,153	40.2	8,170	68.2	202	1.7	2.5
SPANISH, 4TH/5TH/6TH YEAR/COLLEGE LEVEL	4,164	27.2	6,174	51.6	71	0.6	1.2
SWAHILI, 1ST/2D/3D YEAR	36	0.2	78	0.7	1	0.0	1.6
GENERAL FOREIGN LANGUAGE	258	1.7	282	2.4	34	0.3	12.2
SPECIFIC FOREIGN LANGUAGES, OTHER	37	0.2	74	0.6	2	0.0	2.8

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TABLE 1.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1972-73

(U.S. TOTAL SECONDARY SCHOOLS = 15,306; U.S. TOTAL SECONDARY ENROLLMENT = 11,974,683)

HEALTH AND PHYSICAL EDUCATION 1973

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
HEALTH AND PHYSICAL EDUCATION TOTAL	11,265	73.6	11,766	98.3	8,679	72.5	73.8
HEALTH, GRADES 9 TO 12	4,269	27.9	4,060	33.9	1,030	8.6	25.4
HEALTH, PERSONAL AND FAMILY LIVING/SEX ED	649	4.2	694	5.8	109	0.9	15.7
FIRST AID	572	3.7	506	4.2	111	0.9	21.9
ALCOHOL, DRUGS, AND TOBACCO	594	3.9	471	3.9	140	1.2	29.8
ENVIRONMENTAL HEALTH	106	0.7	128	1.1	20	0.2	15.7
HEALTH AND PHYSICAL EDUCATION, GRADE 9	9,637	63.0	6,619	55.3	1,734	14.5	26.2
HEALTH AND PHYSICAL EDUCATION, GRADE 10	10,656	69.6	8,981	75.0	2,423	20.2	27.0
HEALTH AND PHYSICAL EDUCATION, GRADE 11	8,268	54.0	7,278	60.8	1,508	12.6	20.7
HEALTH AND PHYSICAL EDUCATION, GRADE 12	7,918	51.7	6,790	56.7	1,155	9.6	17.0
HEALTH AND SAFETY	901	5.9	846	7.1	179	1.5	21.2
PHYSICAL EDUCATION, ADAPTED	59	0.4	96	0.8	2	0.0	2.4
BODY DYNAMICS/CONDITIONING/POSTURE/APPARATUS	220	1.4	387	3.2	17	0.1	4.4
DANCE, RHYTHMS, AND DRAMATIC EVENTS	179	1.2	244	2.0	30	0.3	12.4
MODERN DANCE/GYMNASTICS	552	3.6	962	8.0	54	0.4	5.6
INDIVIDUAL AND DUAL SPORTS/AQUATICS/SWIMMING	250	1.6	390	3.3	57	0.5	14.7
TEAM SPORTS	465	3.0	333	2.8	54	0.4	16.2
RECREATION/LIFETIME SPORTS/HOBBIES	338	2.2	342	2.9	44	0.4	13.0
LEADERSHIP/SCHOOL SUPPORT	168	1.1	299	2.5	11	0.1	3.6

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TABLE 1.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1972-73

(U.S. TOTAL SECONDARY SCHOOLS = 15,306; U.S. TOTAL SECONDARY ENROLLMENT = 11,974,683)

HOME ECONOMICS 1973

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
HOME ECONOMICS TOTAL	12,282	80.2	10,832	90.5	2,439	20.4	22.5
HOME ECONOMICS, N.E.C.	885	5.8	1,095	9.1	49	0.4	4.5
HOME ECONOMICS, 1ST YEAR	9,290	60.7	6,338	52.9	433	3.6	6.8
HOME ECONOMICS, 2D YEAR	7,417	48.5	4,897	40.9	222	1.9	4.5
HOME ECONOMICS 3D/4TH YEAR	5,529	36.1	3,460	28.9	148	1.2	4.3
CHILD DEVELOPMENT	3,704	24.2	4,311	36.0	167	1.4	3.9
CLOTHING AND TEXTILES, 1ST YEAR	5,053	33.0	5,929	49.5	236	2.0	4.0
CLOTHING AND TEXTILES, 2ND YEAR	3,304	21.6	4,266	35.6	102	0.9	2.4
CLOTHING AND TEXTILES, 3D/4TH YEAR	2,116	13.8	2,674	22.3	71	0.6	2.6
CONSUMER EDUCATION	1,502	9.8	1,380	11.5	52	0.4	3.7
FAMILY RELATIONS	5,751	37.6	5,582	46.6	277	2.3	5.0
NUTRITION	1,005	6.6	1,202	10.0	50	0.4	4.1
FOODS, 1ST/2ND YEAR	5,259	34.4	6,040	50.4	379	3.2	6.3
FOODS, 3D/4TH YEAR	1,555	10.2	1,807	15.1	59	0.5	3.3
HOME MANAGEMENT	1,636	10.7	1,903	15.9	53	0.4	2.8
HOUSING AND HOME FURNISHINGS	3,052	19.9	3,412	28.5	95	0.8	2.8
HEALTH AND HOME NURSING	917	6.0	1,177	9.8	46	0.4	3.9

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TABLE 1.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1972-73

(U.S. TOTAL SECONDARY SCHOOLS = 15,306; U.S. TOTAL SECONDARY ENROLLMENT = 11,974,683)

INDUSTRIAL ARTS 1973

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
INDUSTRIAL ARTS TOTAL	11,550	75.5	10,726	89.6	2,903	24.2	27.1
GENERAL INDUSTRIAL ARTS, 1ST YEAR	5,392	35.2	3,671	30.7	294	2.5	8.0
GENERAL INDUSTRIAL ARTS, 2D YEAR	3,099	20.2	1,776	14.8	92	0.8	5.2
GENERAL INDUSTRIAL ARTS, 3D/4TH YEAR	2,122	13.9	1,232	10.3	58	0.5	4.7
HOME MECHANICS	470	3.1	512	4.3	18	0.2	3.6
INDUSTRIAL ARTS FOR GIRLS [1]	204	1.3	134	1.1	5	0.0	3.6
BUILDING AND CONSTRUCTION	898	5.9	880	7.4	26	0.2	3.0
CARPENTRY/WOODWORKING	7,055	46.1	7,516	62.8	561	4.7	7.5
CRAFTS, GRADE 9-12 [2]	963	6.3	878	7.3	69	0.6	7.8
JEWELRY/ART METALS [3]	528	3.4	615	5.1	29	0.2	4.7
LEATHER/TEXTILES/UPHOLSTERY	323	2.1	231	1.9	12	0.1	5.4
PLASTICS	632	4.1	649	5.4	25	0.2	3.9
DRAFTING/DRAWING, GRADE 9-12 [4]	5,238	34.2	5,524	46.1	278	2.3	5.0
DRAFTING/DRAWING, OTHER SPECIALIZED DRAWING	1,701	11.1	2,251	18.8	52	0.4	2.3
DRAWING, MECHANICAL, GRADE 9-12 [5]	4,570	29.9	4,684	39.1	243	2.0	5.2
ELECTRICITY/ELECTRONICS	3,865	25.3	4,860	40.6	190	1.6	3.9
GRAPHIC ARTS, GRADE 9-12 [6]	1,723	11.3	2,521	21.1	99	0.8	3.9
PHOTOGRAPHY [7]	840	5.5	1,043	8.7	42	0.4	4.0
PRINTING/PHOTOLITHOGRAPHY/GRAPHIC COMMUNICATIONS [8]	505	3.3	785	6.6	24	0.2	3.1
INDUSTRIAL ARTS MATHEMATICS/SCIENCE [9]	500	3.3	655	5.5	22	0.2	3.3
INDUSTRIAL MATERIALS/TECHNOLOGY/PROCESSES	833	5.4	1,057	8.8	46	0.4	4.3
METALWORKING, GRADE 9-12, AND FOUNDRY	5,180	33.8	5,837	48.7	303	2.5	5.2
WELDING	1,380	9.0	1,048	8.7	51	0.4	4.9
AUTOMOTIVE MECHANICS	2,808	18.3	3,045	25.4	197	1.6	6.5
POWER/AUTOMOTIVE MECHANICS	2,696	17.6	3,067	25.6	166	1.4	5.4

1) 'Industrial Arts for Girls' is included in 'General Industrial Arts' listings in 1982 Table.

2) 'Crafts, Grade 9-12' is listed as a line item 'Crafts' under '02. Art' in the 1982 Table.

3) 'Jewelry/Art Metals' is listed as a line item 'Jewelry and Metalwork' under '02. Art' in the 1982 Table.

4) 'Drafting/Drawing Grade 9-12' is included in 'Design, Commercial/Industrial' under '02. Art' in the 1982 Table.

5) 'Drawing, Mechanical, Grade 9-12' is included in 'Design, Commercial/Industrial' under '02. Art' in the 1982 Table.

6) 'Graphics Arts, Grade 9-12' is listed as part of line item 'Photography/Filmmaking' under '02. Art' in the 1982 Table.

7) 'Photography' is listed as part of line item "Photography/Filmmaking' under '02. Art' in the 1982 Table.

8) 'Printing/Photolithography/Graphic Communications' is listed as part of line item 'Photography/Filmmaking' under '02. Art' in the 1982 Table.

9) 'Industrial Arts Mathematics/Science' is listed as part of line item 'Applied Mathematics' under '11. Mathematics' in the 1982 Table.

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(U.S. TOTAL SECONDARY SCHOOLS = 15,306; U.S. TOTAL SECONDARY ENROLLMENT = 11,974,683)

MATHEMATICS 1973[1]

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
MATHEMATICS TOTAL	13,420	87.7	11,951	99.8	6,619	55.3	55.4
GENERAL MATH, N.E.C.	600	3.9	670	5.6	14	0.1	2.1
GENERAL MATH, GRADE 9-12, ELEM/ADV	12,322	80.5	10,267	85.7	1,644	13.7	16.0
PRE-ALGEBRA	258	1.7	368	3.1	28	0.2	7.7
ALGEBRA, ELEMENTARY	11,621	75.9	9,774	81.6	1,341	11.2	13.7
ALGEBRA, INTERMEDIATE	11,170	73.0	9,474	79.1	993	8.3	10.5
ALGEBRA, ADV./TRIGONOMETRY	8,631	56.4	7,958	66.5	569	4.8	7.2
APPLIED MATHEMATICS, BUSINESS/SHOP	1,575	10.3	1,784	14.9	112	0.9	6.3
CONSUMER MATHEMATICS	649	4.2	654	5.5	37	0.3	5.7
COMPUTER MATHEMATICS	1,772	11.6	2,882	24.1	60	0.5	2.1
GEOMETRY, PLANE/SOLID	13,182	86.1	10,919	91.2	1,392	11.6	12.7
MATH ANALYSIS/ELEMENTARY FUNCTIONS	3,531	23.1	4,025	33.6	127	1.1	3.2
PROBABILITY AND STATISTICS	1,042	6.8	1,445	12.1	24	0.2	1.7
TRIGONOMETRY	4,936	32.2	4,851	40.5	170	1.4	3.5
COLLEGE LEVEL MATHEMATICS	1,983	13.0	2,162	18.1	53	0.4	2.4
CALCULUS 1ST/2D YEAR/ADV./GEOMETRY	2,669	17.4	3,524	29.4	54	0.5	1.5

1) Special Mathematics programs taught in this year have been dropped from the table because there are no equivalent programs in 1982. These programs include SMSG, SSMCIS, UICSM, IPI, GCMP and IMP.

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TABLE 1.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1972-73

(U.S. TOTAL SECONDARY SCHOOLS = 15,306; U.S. TOTAL SECONDARY ENROLLMENT = 11,974,683)

MUSIC 1973

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
MUSIC TOTAL	13,437	87.9	11,485	95.9	3,004	25.1	26.2
GENERAL MUSIC	2,173	14.2	2,169	18.1	206	1.7	9.5
MUSIC APPRECIATION	3,211	21.0	3,846	32.1	119	1.0	3.1
THEORY & HARMONY/COMPOSITION	3,455	22.6	4,693	39.2	60	0.5	1.3
CHOIR, CHORUS, GLEE CLUB	12,106	79.1	10,916	91.2	1,240	10.4	11.4
INSTRUMENTAL MUSIC	2,657	17.4	3,390	28.3	150	1.2	4.4
BAND (MARCHING, CONCERT, STAGE)	12,598	82.3	11,009	91.9	1,065	8.9	9.7
ORCHESTRA	2,969	19.4	4,749	39.7	102	0.9	2.2
SMALL INSTRUMENTAL ENSEMBLES	2,179	14.2	2,534	21.2	63	0.5	2.5

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(U.S. TOTAL SECONDARY SCHOOLS = 15,306; U.S. TOTAL SECONDARY ENROLLMENT = 11,974,683)

NATURAL SCIENCES 1973 [1]

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
NATURAL SCIENCE TOTAL	13,668	89.3	11,952	99.8	6,119	51.1	51.2
GENERAL SCIENCE, GRADES 9 TO 12	5,298	34.6	3,844	32.1	637	5.3	16.6
BIOLOGICAL SCIENCES, N.E.C.	650	4.2	806	6.7	47	0.4	5.8
ANATOMY/ANTHROPOLOGY/GENETICS	250	1.6	338	2.8	17	0.1	5.0
ECOLOGY/ENTOMOLOGY/CONSERVATION	1,267	8.3	1,530	12.8	80	0.7	5.2
PHYSIOLOGY/BIOPHYSICS	2,241	14.6	2,641	22.1	112	0.9	4.2
TECHNICAL APPLICATIONS/APPLIED BIOLOGY	857	5.6	1,063	8.9	71	0.6	6.7
ENVIRONMENTAL SCIENCE [2]	1,033	6.8	1,162	9.7	80	0.7	6.9
ZOOLOGY	802	5.2	771	6.4	58	0.5	7.5
BOTANY	772	5.0	746	6.2	45	0.4	6.1
BIOLOGY I, COLLEGE LEVEL/MICROBIOLOGY	12,232	79.9	9,858	82.3	2,075	17.3	21.0
LIFE SCIENCE	2,102	13.7	1,732	14.5	227	1.9	13.1
PHYSICAL SCIENCE, 1ST/2ND YEAR	7,355	48.1	6,247	52.2	714	6.0	11.4
CHEMISTRY I/II/APPLIED/STUDY	13,485	88.1	11,528	96.3	1,031	8.6	8.9
CHEMISTRY AND PHYSICS, COLLEGE LEVEL	406	2.7	670	5.6	14	0.1	2.1
PHYSICS, 1ST/2ND YEAR	11,321	74.0	10,189	85.1	351	2.9	3.4
ELECTRICITY/ELECTRONICS/APPLIED PHYSICS	414	2.7	462	3.9	18	0.2	3.9
EARTH-SPACE SCIENCES/METEOROLOGY/ASTRONOMY	358	2.3	472	3.9	20	0.2	4.2
AERONAUTICS	471	3.1	631	5.3	16	0.1	2.5
EARTH SCIENCES	4,755	31.1	4,173	34.8	427	3.6	10.2
SPACE SCIENCE	398	2.6	473	3.9	25	0.2	5.4
GEOLOGY	550	3.6	676	5.6	26	0.2	3.9
OCEANOGRAPHY	455	3.0	696	5.8	30	0.3	4.3

1) Special Science programs taught in this year have been dropped from the table because there are no equivalent programs in 1982. These programs include ISCS, BSCS, TSM, CBA, BSCP, PSSC physics, HPP physics (project), IPS physical sciences, IMP physics and ESCP.

2) 'Environmental Science' is included in 'Conservation' and 'Environmental Education' listings under '15. Social Science' in the 1982 Table.

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(U.S. TOTAL SECONDARY SCHOOLS = 15,306; U.S. TOTAL SECONDARY ENROLLMENT = 11,974,683)

SOCIAL SCIENCES 1973

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
SOCIAL SCIENCE TOTAL	14,531	95.1	11,971	100	11,710	97.8	97.8
ANTHROPOLOGY/ARCHEOLOGY	1,307	8.5	1,864	15.6	89	0.7	4.8
ACCULTURATION/WORLD CULTURES	1,127	7.4	1,313	11.0	200	1.7	15.3
AREA STUDIES, N.E.C./OTHER SPECIFIED	189	1.2	242	2.0	29	0.2	12.1
AREA STUDIES AND HISTORY, AFRICAN	440	2.9	644	5.4	35	0.3	5.4
AREA STUDIES, ASIAN/ORIENTAL	455	3.0	655	5.5	35	0.3	5.3
AREA STUDIES, EUROPEAN	494	3.2	696	5.8	75	0.6	10.7
AREA STUDIES, ASIAN AND AFRICAN/MID EAST	515	3.4	623	5.2	74	0.6	11.8
AREA STUDIES AND HISTORY, RUSSIAN	545	3.6	744	6.2	30	0.3	4.1
AREA STUDIES, AMERICAN	948	6.2	1,072	9.0	232	1.9	21.7
AREA STUDIES AND HISTORY, LATIN AMERICAN	493	3.2	706	5.9	29	0.2	4.1
CONSERVATION	290	1.9	227	1.9	21	0.2	9.2
ENVIRONMENTAL EDUCATION	485	3.2	600	5.0	37	0.3	6.1
CONSUMER EDUCATION	811	5.3	678	5.7	57	0.5	8.3
ECONOMICS	5,815	38.0	5,807	48.5	417	3.5	7.2
CONSUMER ECONOMICS	1,412	9.2	1,237	10.3	88	0.7	7.1
ECONOMIC PROBLEMS/HISTORY	212	1.4	264	2.2	23	0.2	8.6
GEOGRAPHY, HUMAN AND CULTURAL	454	3.0	520	4.3	48	0.4	9.3
GEOGRAPHY, POLITICAL/ECONOMIC	824	5.4	697	5.8	50	0.4	7.2
GEOGRAPHY, PHYSICAL	618	4.0	521	4.4	50	0.4	9.6
GEOGRAPHY, REGIONAL	524	3.4	518	4.3	40	0.3	7.7
GEOGRAPHY, WORLD	5,262	34.4	4,409	36.8	448	3.7	10.2
HISTORY, N.E.C./COLLEGE LEVEL	759	5.0	1,100	9.2	40	0.3	3.7
HISTORY, AMERICAN AND WORLD BACKGROUNDS	3,516	23.0	2,616	21.8	657	5.5	25.1
HISTORY, LOCAL AND REGIONAL [1]	277	1.8	265	2.2	22	0.2	8.2
HISTORY, MODERN EUROPEAN	1,243	8.1	1,624	13.6	122	1.0	7.5
HISTORY, STATE, GRADE 9-12	2,188	14.3	1,569	13.1	219	1.8	14.0
HISTORY, UNITED STATES, GRADE 9-12	11,446	74.8	9,210	76.9	2,672	22.3	29.0
AFRO-AMERICAN STUDIES/BLACK HISTORY	1,556	10.2	2,358	19.7	100	0.8	4.2
AMERICAN INDIAN PROBLEMS/HISTORY	445	2.9	389	3.2	40	0.3	10.2
WESTERN CIVILIZATION/HISTORY	11,450	74.8	9,070	75.7	1,582	13.2	17.4
NON-WESTERN CIVILIZATION/HISTORY	560	3.7	699	5.8	86	0.7	12.3
ORIENTAL HISTORY	427	2.8	549	4.6	20	0.2	3.6
ANCIENT/MEDIEVAL HISTORY	978	6.4	1,164	9.7	93	0.8	8.0
HUMANITIES AND PHILOSOPHY	708	4.6	1,039	8.7	44	0.4	4.2
AMERICAN GOVERNMENT	8,093	52.9	6,545	54.7	1,024	8.6	15.6
U.S. CONSTITUTION	581	3.8	479	4.0	59	0.5	12.3
PROBLEMS OF DEMOCRACY	3,344	21.8	2,718	22.7	301	2.5	11.1
STATE GOVERNMENT	861	1.7	224	1.9	35	0.3	15.7
COMMUNITY CIVICS	2,769	18.1	1,924	16.1	292	2.4	15.2

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TABLE 1.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1972-73 —CONTINUED

(U.S. TOTAL SECONDARY SCHOOLS = 15,306; U.S. TOTAL SECONDARY ENROLLMENT = 11,974,683)

SOCIAL SCIENCES 1973

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
BASIC AMERICAN LAW	655	4.3	880	7.3	51	0.4	5.8
COMPARATIVE SYSTEMS	717	4.7	855	7.1	60	0.5	7.0
CURRENT EVENTS	3,383	22.1	3,242	27.1	263	2.2	8.1
INTERNATIONAL RELATIONS	1,348	8.8	1,566	13.1	73	0.6	4.7
POLITICAL THEORY/POLITICAL SCIENCE	842	5.5	1,098	9.2	53	0.4	4.8
HUMAN RELATIONS	379	2.5	493	4.1	31	0.3	6.3
PSYCHOLOGY	6,782	44.3	6,536	54.6	597	5.0	9.1
SOCIOLOGY/SOCIAL ORGANIZATION	7,453	48.7	7,277	60.8	582	4.9	8.0
SOCIOLOGY, URBAN	227	1.5	393	3.3	19	0.2	4.8
SOCIAL PROBLEMS/CRIMINOLOGY	1,202	7.9	1,304	10.9	136	1.1	10.4
RACIAL AND MINORITY PROBLEMS	563	3.7	805	6.7	36	0.3	4.5
RELIGION, COMPARATIVE AND BIBLE HISTORY	600	3.9	800	6.7	34	0.3	4.3
SOCIAL STUDIES, GRADE 9-12 [2]	1,043	6.8	906	7.6	155	1.3	17.1
INTERGROUP (COMMUNITY) RELATIONS	734	4.8	996	8.3	54	0.5	5.4
CAREER EDUCATION/OCCUPATIONAL GUIDANCE	563	3.7	449	3.7	52	0.4	11.6

1) 'History, Local and Regional' is included in 'History, State' in the 1982 Table.

2) 'Social Studies, Grade 9-12' is included in diverse courses in the 1982 Table.

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TABLE 1.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1972-73

(U.S. TOTAL SECONDARY SCHOOLS = 15,306; U.S. TOTAL SECONDARY ENROLLMENT = 11,974,683)

TRADES AND INDUSTRY 1973

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
TRADES AND INDUSTRY TOTAL	3,675	24.0	4,025	33.6	447	3.7	11.1
TRADES AND INDUSTRY, N.E.C./OTHER SPECIFIED	235	1.5	244	2.0	12	0.1	5.0
GRAPHIC ARTS	469	3.1	753	6.3	16	0.1	2.1
PRINTING/LITHOGRAPHY	298	1.9	425	3.5	11	0.1	2.6
TEXTILE/LEATHER PRODUCTION/FABRICATION	196	1.3	247	2.1	8	0.1	3.2
ELECTRICITY, 1ST YEAR	906	5.9	1,065	8.9	25	0.2	2.4
ELECTRICITY 2D/3D/4TH YR/SMALL ENGINE REPAIR	466	3.0	570	4.8	10	0.1	1.8
ELECTRONICS, 1ST YEAR	829	5.4	1,103	9.2	20	0.2	1.8
ELECTRONICS, 2D/3D/4TH YEAR	735	4.8	1,035	8.6	18	0.1	1.7
BODY AND FENDER MECHANICS, 1ST/2D YEAR	679	4.4	786	6.6	14	0.1	1.8
AUTOMOTIVE MECHANICS, 1ST/2D YEAR/DIESEL	1,912	12.5	2,130	17.8	74	0.6	3.5
AVIATION AND AIRCRAFT MECHANICS (AIRFRAME)	145	0.9	185	1.5	9	0.1	4.8
MASONRY	379	2.5	429	3.6	11	0.1	2.6
CONSTRUCTION-MAINTENANCE TRADES	437	2.9	495	4.1	12	0.1	2.3
CARPENTRY, 1ST/2D YEAR	986	6.4	987	8.2	26	0.2	2.6
WOODWORKING, 1ST YEAR	609	4.0	686	5.7	33	0.3	4.8
WOODWORKING, 2D/3D/4TH YEAR AND CABINETMAKING	592	3.9	655	5.5	18	0.2	2.8
DRAFTING/MECHANICAL DRAWING, 1ST/2D YEAR	325	2.1	493	4.1	15	0.1	3.1
MACHINE SHOP	1,074	7.0	1,437	12.0	37	0.3	2.6
SHEET METAL, 1ST/2D YEAR	270	1.8	343	2.9	9	0.1	2.5
METALWORKING, 1ST/2D/3D YEAR AND FOUNDRY	179	1.2	321	2.7	10	0.1	3.1
WELDING AND CUTTING, 1ST/2D YEAR	872	5.7	869	7.3	19	0.2	2.2
COSMETOLOGY, 1ST/2D/3D YEAR AND BARBERING	787	5.1	1,006	8.4	21	0.2	2.1
COOK-CHEF	377	2.5	422	3.5	9	0.1	2.1
VOCATIONAL GROUP GUIDANCE/EXPLORATORY	218	1.4	272	2.3	10	0.1	3.6

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TABLE 1.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1972-73

(U.S. TOTAL SECONDARY SCHOOLS = 15,306; U.S. TOTAL SECONDARY ENROLLMENT = 11,974,683)

SAFETY AND DRIVER EDUCATION 1973

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
SAFETY AND DRIVER EDUCATION TOTAL	11,665	76.2	9,268	77.4	3,297	27.5	35.6
DRIVER EDUCATION, CLASSROOM INSTRUCTION	11,298	73.8	9,059	75.7	1,738	14.5	19.2
PRACTICE DRIVING, INCLUDING SIMULATION	10,637	69.5	8,344	69.7	1,435	12.0	17.2
SAFETY, ALL GRADES	510	3.3	424	3.5	86	0.7	20.3
CIVIL DEFENSE	199	1.3	119	1.0	38	0.3	31.9

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TABLE 1.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1972-73

(U.S. TOTAL SECONDARY SCHOOLS = 15,306; U.S. TOTAL SECONDARY ENROLLMENT = 11,974,683)

R.O.T.C. 1973

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
R. R.O.T.C. TOTAL	1,126	7.4	1,672	14.0	142	1.2	8.5
JR. R.O.T.C., NAVAL SCIENCE	1,126	7.4	1,672	14.0	142	1.2	8.5

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TABLE 2.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1981-82 a/

(U.S. TOTAL SECONDARY SCHOOLS = 15,667, U.S. TOTAL SECONDARY ENROLLMENT = 12,660,537)

AGRICULTURE 1982

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
AGRICULTURE TOTAL	7,589	48.4	6,901	54.5	420	3.3	6.1
AGRICULTURE, 1ST YEAR	1,442	9.2	1,077	8.5	22	0.2	2.2
AGRICULTURE, 2ND YEAR	510	3.3	403	3.2	10	0.1	2.8
AGRICULTURE 3RD/4TH YEAR	1,284	8.2	1,116	8.8	24	0.2	2.2
AGRICULTURE MANAGEMENT/PRODUCTION/SUPPLIES	5,223	33.3	4,256	33.6	217	1.7	5.2
AGRICULTURE MECHANICS/CONSTRUCTION	699	4.5	481	3.8	15	0.1	3.0
ORNAMENTAL HORTICULTURE, LANDSCAPING	3,674	23.5	4,498	35.5	111	0.9	2.3
AGRICULTURE RESOURCE/CONSERVATION/FORESTRY	935	6.0	965	7.6	21	0.2	2.2

a/ Percentages less than five-tenths of one percent are rounded to zero.

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TABLE 2.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1981-82

(U.S. TOTAL SECONDARY SCHOOLS = 15,667, U.S. TOTAL SECONDARY ENROLLMENT = 12,660,537)

ART 1982

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
ART TOTAL	14,034	89.6	12,301	97.2	3,061	24.2	24.9
ART I	12,129	77.4	10,577	83.5	1,049	8.3	9.9
ART II	7,353	46.9	6,978	55.1	271	2.1	3.9
ART III/IV AND ART STUDIO	4,534	28.9	4,573	36.1	104	0.8	2.3
ART APPRECIATION/HISTORY	2,075	13.2	2,786	22.0	70	0.6	2.4
DESIGN, COMMERCIAL/INDUSTRIAL	8,586	54.8	9,337	73.7	363	2.9	3.9
GRAPHICS	5,225	33.3	6,413	50.7	256	2.0	4.2
CRAFTS	2,423	15.5	3,144	24.8	83	0.7	2.7
JEWELRY AND METALWORK	1,542	9.8	2,434	19.2	65	0.5	2.7
POTTERY AND CERAMICS	4,516	28.8	5,643	44.6	272	2.2	4.8
PRINTING/DRAWING/DESIGN	5,647	36.0	6,494	51.3	382	3.0	5.8
PHOTOGRAPHY/FILMMAKING	2,213	14.1	3,168	25.0	90	0.7	2.9
SCULPTURE	2,893	18.5	3,459	27.3	56	0.4	1.7

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TABLE 2.--PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1981-82

(U.S. TOTAL SECONDARY SCHOOLS = 15,667, U.S. TOTAL SECONDARY ENROLLMENT = 12,660,537)

BUSINESS 1982

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
BUSINESS TOTAL	15,541	99.2	12,554	99.2	5,874	46.4	47.2
EXPLORATORY/GENERAL BUSINESS	10,710	68.4	8,768	69.3	653	5.2	7.5
ACCOUNTING	11,148	71.2	10,349	81.7	585	4.6	5.8
BOOKKEEPING I	5,470	34.9	3,705	29.3	206	1.6	5.5
BOOKKEEPING II/III/IV	1,713	10.9	1,678	13.3	22	0.2	1.4
RECORDKEEPING	4,237	27.0	4,777	37.7	172	1.4	3.6
BUSINESS COMMUNICATION/CORRESPONDENCE	4,687	29.9	5,234	41.3	148	1.2	2.9
BUSINESS LAW	7,450	47.6	7,671	60.6	236	1.9	3.1
BUSINESS MACHINES, 1ST/2D YEAR	4,376	27.9	4,821	38.1	160	1.3	3.3
CLERICAL PRACTICE/OFFICE WORK EXPERIENCE	419	2.7	480	3.8	13	0.1	2.6
COMPUTER OPERATION/KEY PUNCH/DATA PROCESSING	1,848	11.8	2,503	19.8	41	0.3	1.7
ECONOMICS/FINANCE/BUSINESS MANAGEMENT	3,051	19.5	4,164	32.9	103	0.8	2.5
MARKETING AND DISTRIBUTION	6,319	40.3	7,440	58.8	316	2.5	4.2
RETAILING/WHOLESALING	2,919	18.6	3,338	26.4	111	0.9	3.2
SALESMANSHIP	1,476	9.4	1,667	13.2	24	0.2	1.6
SHORTHAND FOR PERSONAL USE	1,521	9.7	2,280	18.0	39	0.3	1.7
SHORTHAND, 1ST YEAR	12,172	77.7	11,156	88.1	288	2.3	2.7
SHORTHAND, 2D YEAR/ADVANCED	6,905	44.1	7,785	61.5	66	0.5	0.9
SECRETARIAL PRACTICES	2,540	16.2	2,697	21.3	34	0.3	1.4
TYPEWRITING FOR PERSONAL USE	4,532	28.9	4,799	37.9	342	2.7	7.4
TYPEWRITING, 1ST YEAR	14,693	93.8	12,004	94.8	1,795	14.2	14.8
TYPEWRITING, 2D/3D/4TH YEAR	11,531	73.6	10,482	82.8	519	4.1	5.0

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TABLE 2.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1981-82

(U.S. TOTAL SECONDARY SCHOOLS = 15,667, U.S. TOTAL SECONDARY ENROLLMENT = 12,660,537)

ENGLISH 1982

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
ENGLISH LANGUAGE ARTS TOTAL	15,646	99.9	12,617	99.7	17,716	139.9	140.9
ENGLISH, N.E.C.	4,321	27.6	4,815	38.0	304	2.4	6.3
ENGLISH, GRADES 9 TO 12	15,225	97.2	12,187	96.3	9,188	72.6	75.2
READING, DEVELOPMENTAL	8,342	53.2	8,787	69.4	1,046	8.3	11.9
SPELLING	170	1.1	186	1.5	23	0.2	13.1
LINGUISTICS	313	2.0	449	3.5	23	0.2	5.3
GRAMMER/VOCABULARY/SEMANTICS	3,994	25.5	4,444	35.1	586	4.6	13.3
LITERATURE, SPECIFIC/N.E.C.	1,813	11.6	2,097	16.6	176	1.4	8.6
LITERATURE, AMERICAN	5,187	33.1	5,513	43.5	783	6.1	14.0
LITERATURE, BIBLE/RELIGIOUS	1,212	7.7	1,526	12.1	40	0.3	2.6
LITERATURE, ENGLISH	3,949	25.2	4,485	35.4	295	2.3	6.5
LITERATURE, EASTERN/WESTERN/WORLD	4,589	29.3	4,917	38.8	289	2.3	5.8
LITERATURE, BLACK AND OTHER ETHNIC	1,361	8.7	1,717	13.6	45	0.4	2.6
LITERATURE, 20TH CENTURY	1,999	12.8	2,392	18.9	149	1.2	6.2
SHORT STORY	2,666	17.0	2,659	21.0	177	1.4	6.9
FICTION AND FANTASY/SCIENCE FICTION	2,550	16.3	2,978	23.5	180	1.4	6.1
POETRY	1,455	9.3	1,659	13.1	35	0.3	2.3
THE NOVEL	1,974	12.6	1,959	15.5	79	0.6	4.1
HORROR/SUSPENSE/MYSTERY	1,080	6.9	1,173	9.3	72	0.6	5.9
LITERATURE FOR ADOLESCENTS/ATHLETES	1,865	11.9	1,948	15.4	136	1.1	6.8
MYTH AND LEGEND	1,546	9.9	1,630	12.9	66	0.5	4.4
HUMANITIES	4,343	27.7	4,640	36.7	168	1.3	3.6
PROBLEM SOLVING THRU LITERATURE/GREAT IDEAS	1,052	6.7	1,291	10.2	70	0.6	5.6
COMPOSITION	6,727	42.9	6,720	53.1	1,141	9.0	17.3
JOURNALISM/SCHOOL PUBLICATIONS	11,605	74.1	10,576	83.5	399	3.2	3.9
CREATIVE WRITING	5,236	33.4	5,876	46.4	211	1.7	3.7
ARGUMENTATION AND DEBATE	4,009	25.6	5,058	39.9	101	0.8	2.1
COMMUNICATION THEORY/SPEECH/DICTION	9,812	62.6	9,333	73.7	684	5.4	7.4
SPEECH AND PUBLIC SPEAKING I & II	301	1.9	303	2.4	4	0.0	1.3
SPEECH THROUGH MASS MEDIA	4,013	25.6	4,394	34.7	194	1.5	4.5
RADIO/TV AND FILM	4,903	31.3	5,850	46.2	287	2.3	4.9
INTRODUCTION TO THEATRE/DRAMA	4,461	28.5	4,530	35.8	142	1.1	3.2
ACTING/PLAY PRODUCTION/CREATIVE DRAMATICS	5,612	35.8	6,975	55.1	260	2.1	3.8
DRAMATIC LITERATURE/SHAKESPEARE	1,520	9.7	2,129	16.8	49	0.4	2.5
LIBRARY AND MEDIA PRACTICES	5,650	36.1	4,925	38.9	208	1.6	4.3
EDUCATION (TEACHER TRAINING)	3,650	23.3	4,299	34.0	118	0.9	2.8

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(U.S. TOTAL SECONDARY SCHOOLS = 15,667, U.S. TOTAL SECONDARY ENROLLMENT = 12,660,537)

FOREIGN LANGUAGES 1982

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
FOREIGN LANGUAGES TOTAL	13,224	84.4	11,994	94.7	2,953	23.3	24.9
GREEK/CLASSICAL LANGUAGES	115	0.7	141	1.1	3	0.0	2.5
LATIN, 1ST YEAR	3,345	21.4	4,585	36.2	86	0.7	1.8
LATIN, 2D YEAR	3,186	20.3	4,208	33.2	37	0.3	0.9
LATIN, 3D YEAR	2,042	13.0	2,891	22.8	13	0.1	0.5
LATIN, 4TH/5TH/6TH YEAR/COLLEGE LEVEL	1,327	8.5	1,875	14.8	6	0.0	0.3
CHINESE, 1ST/2D/3D/4TH YEAR	111	0.7	174	1.4	4	0.0	2.6
ENGLISH AS A FOREIGN LANGUAGE	1,682	10.7	2,734	21.6	52	0.4	1.7
FRENCH, 1ST YEAR	9,454	60.3	10,285	81.2	408	3.2	4.1
FRENCH, 2D YEAR	8,694	55.5	9,819	77.6	253	2.0	2.7
FRENCH, 3D YEAR	6,662	42.5	8,227	65.0	113	0.9	1.4
FRENCH, 4TH/5TH/6TH YEAR/COLLEGE LEVEL	5,100	32.6	6,706	53.0	65	0.5	1.0
GERMAN, 1ST YEAR	4,083	26.1	5,797	45.8	119	0.9	2.1
GERMAN, 2D YEAR	3,950	25.2	5,602	44.3	83	0.7	1.5
GERMAN, 3D YEAR	3,502	22.4	5,001	39.5	45	0.4	0.9
GERMAN, 4TH/5TH/6TH YEAR/COLLEGE LEVEL	2,611	16.7	3,943	31.1	18	0.1	0.5
HEBREW, MODERN AND CLASSICAL	156	1.0	282	2.2	7	0.1	2.4
ITALIAN, 1ST YEAR	550	3.5	968	7.6	19	0.1	2.1
ITALIAN, 2D/3D/4TH/5TH YEAR	545	3.5	943	7.4	25	0.2	2.9
JAPANESE, 1ST YEAR	61	0.4	114	0.9	5	0.0	4.9
JAPANESE, 2D/3D/4TH/5TH YEAR	99	0.6	170	1.3	5	0.0	3.1
PORTUGUESE, 1ST/2D/3D/4TH YEAR	97	0.6	174	1.4	4	0.0	2.4
RUSSIAN, 1ST YEAR	419	2.7	622	4.9	3	0.0	0.4
RUSSIAN, 2D YEAR	312	2.0	455	3.6	1	0.0	0.3
RUSSIAN, 3D/4TH/5TH YEAR/COLLEGE LEVEL	204	1.3	341	2.7	1	0.0	0.2
SPANISH FOR NATIVE SPEAKING	586	3.7	990	7.8	17	0.1	1.8
SPANISH, 1ST YEAR	10,812	69.0	10,705	84.6	827	6.5	7.7
SPANISH, 2D YEAR	10,179	65.0	10,372	81.9	469	3.7	4.5
SPANISH, 3D YEAR	7,733	49.4	8,957	70.7	167	1.3	1.9
SPANISH, 4TH/5TH/6TH YEAR/COLLEGE LEVEL	5,667	36.2	7,293	57.6	89	0.7	1.3
SWAHILI, 1ST/2D/3D YEAR	8	0.0	17	0.1	1	0.0	4.0
GENERAL FOREIGN LANGUAGE	358	2.3	579	4.6	2	0.0	0.4
SPECIFIC FOREIGN LANGUAGES, OTHER	415	2.7	577	4.6	8	0.1	1.2

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TABLE 2.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1981-82

(U.S. TOTAL SECONDARY SCHOOLS = 15,667, U.S. TOTAL SECONDARY ENROLLMENT = 12,660,537)

HEALTH AND PHYSICAL EDUCATION 1982

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
HEALTH AND PHYSICAL EDUCATION TOTAL	15,267	97.5	12,558	99.2	11,859	93.7	94.3
HEALTH, GRADES 9 TO 12	10,426	66.6	9,091	71.8	2,309	18.2	25.4
HEALTH, PERSONAL AND FAMILY LIVING/SEX ED	564	3.6	653	5.2	39	0.3	5.9
FIRST AID	889	5.7	975	7.7	61	0.5	6.2
ALCOHOL, DRUGS, AND TOBACCO	201	1.3	287	2.3	20	0.2	7.0
HEALTH AND PHYSICAL EDUCATION, GRADE 9	13,610	86.9	10,857	85.8	2,949	23.3	26.9
HEALTH AND PHYSICAL EDUCATION, GRADE 10	9,309	59.4	8,556	67.6	2,254	17.8	26.3
HEALTH AND PHYSICAL EDUCATION, GRADE 11	7,479	47.7	7,047	55.7	1,330	10.5	19.0
HEALTH AND PHYSICAL EDUCATION, GRADE 12	6,468	41.3	6,263	49.5	939	7.4	15.2
HEALTH AND SAFETY	801	5.1	1,137	9.0	69	0.5	6.0
PHYSICAL EDUCATION, ADAPTED	1,535	9.8	2,382	18.8	40	0.3	1.6
BODY DYNAMICS/CONDITIONING/POSTURE/APPARATUS	3,784	24.2	3,931	31.0	415	3.3	10.6
DANCE, RHYTHMS, AND DRAMATIC EVENTS	1,272	8.1	1,892	14.9	59	0.5	3.2
MODERN DANCE/GYMNASTICS	817	5.2	1,214	9.6	51	0.4	4.4
INDIVIDUAL AND DUAL SPORTS/AQUATICS/SWIMMING	2,827	18.0	3,635	28.7	387	3.1	10.7
TEAM SPORTS	3,066	19.7	3,823	30.2	673	5.3	17.4
RECREATION/LIFETIME SPORTS/HOBBIES	1,069	6.8	1,345	10.6	67	0.5	5.0
LEADERSHIP/SCHOOL SUPPORT	3,552	22.7	4,487	35.4	197	1.6	4.3

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TABLE 2.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1981-82

(U.S. TOTAL SECONDARY SCHOOLS = 15,667, U.S. TOTAL SECONDARY ENROLLMENT = 12,660,537)

HOME ECONOMICS 1982

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
HOME ECONOMICS TOTAL	15,055	96.1	12,296	97.1	3,024	23.9	24.6
HOME ECONOMICS, N.E.C.	2,509	16.0	2,441	19.3	51	0.4	2.3
HOME ECONOMICS, 1ST YEAR	10,054	64.2	6,699	52.9	558	4.4	8.3
HOME ECONOMICS, 2D YEAR	6,560	41.9	3,769	29.8	157	1.2	4.3
HOME ECONOMICS 3D/4TH YEAR	3,799	24.2	2,172	17.2	79	0.6	3.7
CHILD DEVELOPMENT	5,651	36.1	6,324	50.0	247	1.9	4.0
CLOTHING AND TEXTILES, 1ST YEAR	7,618	48.6	7,903	62.4	269	2.1	3.4
CLOTHING AND TEXTILES, 2ND YEAR	4,786	30.5	5,319	42.0	73	0.6	1.3
CLOTHING AND TEXTILES, 3D/4TH YEAR	3,969	25.3	4,273	33.8	43	0.3	1.0
CONSUMER EDUCATION	6,074	38.8	5,406	42.7	285	2.2	5.2
FAMILY RELATIONS	7,911	50.5	7,349	58.0	402	3.2	5.3
NUTRITION	298	1.9	424	3.3	9	0.1	2.2
FOODS, 1ST/2ND YEAR	8,610	55.0	8,643	68.3	622	4.9	7.1
FOODS, 3D/4TH YEAR	3,888	24.8	4,567	36.1	113	0.9	2.6
HOME MANAGEMENT	2,047	13.1	1,802	14.2	33	0.3	1.7
HOUSING AND HOME FURNISHINGS	5,498	35.1	4,544	35.7	72	0.6	1.6
HEALTH AND HOME NURSING	448	2.9	529	4.2	14	0.1	2.5

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(U.S. TOTAL SECONDARY SCHOOLS = 15,667, U.S. TOTAL SECONDARY ENROLLMENT = 12,660,537)

INDUSTRIAL ARTS 1982

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
INDUSTRIAL ARTS TOTAL	14,201	90.6	12,221	96.5	2,980	23.5	24.1
GENERAL INDUSTRIAL ARTS, 1ST YEAR	6,299	40.2	5,013	39.6	439	3.5	8.5
GENERAL INDUSTRIAL ARTS, 2D YEAR	2,382	15.2	1,638	12.9	57	0.5	3.4
GENERAL INDUSTRIAL ARTS, 3D/4TH YEAR	4,173	26.6	4,319	34.1	114	0.9	2.8
HOME MECHANICS	4,639	29.6	4,483	35.4	110	0.9	2.6
BUILDING AND CONSTRUCTION	1,037	6.6	950	7.5	21	0.2	2.2
CARPENTRY/WOODWORKING	11,012	70.3	10,194	80.5	816	6.4	7.8
LEATHER/TEXTILES/UPHOLSTERY	1,087	6.9	819	6.5	32	0.2	4.1
PLASTICS	748	4.8	936	7.4	44	0.3	4.6
DRAFTING/DRAWING, OTHER SPECIALIZED DRAWING	1,763	11.3	2,578	20.4	30	0.2	1.2
ELECTRICITY/ELECTRONICS	7,282	46.5	7,642	60.4	270	2.1	3.5
INDUSTRIAL MATERIALS/TECHNOLOGY/PROCESSES	717	4.6	774	6.1	23	0.2	3.2
METALWORKING, GRADE 9-12, AND FOUNDRY	6,540	41.7	7,259	57.3	339	2.7	4.6
WELDING	4,970	31.7	4,486	35.4	122	1.0	2.7
AUTOMOTIVE MECHANICS	7,441	47.5	7,688	60.7	330	2.6	4.1
POWER/AUTOMOTIVE MECHANICS	5,178	33.1	5,057	39.9	233	1.8	4.6

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(U.S. TOTAL SECONDARY SCHOOLS = 15,667, U.S. TOTAL SECONDARY ENROLLMENT = 12,660,537)

MATHEMATICS 1982

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
MATHEMATICS TOTAL	15,632	99.8	12,593	99.5	9,850	77.8	78.0
GENERAL MATH, N.E.C.	2,439	15.6	3,097	24.5	180	1.4	5.5
GENERAL MATH, GRADE 9-12, ELEM/ADV	14,264	91.0	11,925	94.2	2,567	20.3	21.3
PRE-ALGEBRA	4,476	28.6	5,141	40.6	549	4.3	10.7
ALGEBRA, ELEMENTARY	14,950	95.4	11,831	93.4	2,290	18.1	19.2
ALGEBRA, INTERMEDIATE	13,405	85.6	11,001	86.9	895	7.1	8.1
ALGEBRA, ADV./TRIGONOMETRY	3,862	24.7	4,383	34.6	238	1.9	5.7
APPLIED MATHEMATICS, BUSINESS/SHOP	8,125	51.9	7,419	58.6	464	3.7	6.1
CONSUMER MATHEMATICS	6,140	39.2	6,042	47.7	351	2.8	5.7
COMPUTER MATHEMATICS	4,200	26.8	4,571	36.1	136	1.1	3.0
GEOMETRY, PLANE/SOLID	14,749	94.1	12,218	96.5	1,445	11.4	11.8
MATH ANALYSIS/ELEMENTARY FUNCTIONS	4,620	29.5	5,067	40.0	141	1.1	2.8
PROBABILITY AND STATISTICS	1,865	11.9	2,239	17.7	33	0.3	1.5
TRIGONOMETRY	6,319	40.3	6,023	47.6	200	1.6	3.4
COLLEGE LEVEL MATHEMATICS	6,030	38.5	5,584	44.1	226	1.8	4.2
CALCULUS 1ST/2D YEAR/ADV./GEOMETRY	5,249	33.5	6,921	54.7	138	1.1	2.1

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(U.S. TOTAL SECONDARY SCHOOLS = 15,667, U.S. TOTAL SECONDARY ENROLLMENT = 12,660,537)

. MUSIC 1982

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
MUSIC TOTAL	14,566	93.0	12,311	97.2	2,733	21.6	22.3
GENERAL MUSIC	1,662	10.6	1,785	14.1	61	0.5	3.6
MUSIC APPRECIATION	3,953	25.2	3,622	28.6	99	0.8	2.8
THEORY & HARMONY/COMPOSITION	5,420	34.6	6,046	47.8	72	0.6	1.3
CHOIR, CHORUS, GLEE CLUB	12,340	78.8	11,146	88.0	1,061	8.4	9.5
INSTRUMENTAL MUSIC	5,395	34.4	6,881	54.4	190	1.5	2.7
BAND (MARCHING/CONCERT/STAGE)	13,574	86.6	11,639	91.9	1,111	8.8	9.6
ORCHESTRA	2,886	18.4	4,210	33.2	86	0.7	2.0
SMALL INSTRUMENTAL ENSEMBLES	1,970	12.6	2,801	22.1	52	0.4	1.7

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NATURAL SCIENCE 1982

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
NATURAL SCIENCE TOTAL	15,626	99.7	12,595	99.5	8,278	65.4	65.6
GENERAL SCIENCE, GRADES 9 TO 12	10,315	65.8	9,118	72.0	1,836	14.5	20.1
BIOLOGICAL SCIENCES, N.E.C.	1,187	7.6	1,668	13.2	59	0.5	3.2
ANATOMY/ANTHROPOLOGY/GENETICS	1,293	8.3	1,273	10.1	36	0.3	2.8
ECOLOGY/ENTOMOLOGY/CONSERVATION	1,930	12.3	2,180	17.2	81	0.6	3.5
PHYSIOLOGY/BIOPHYSICS	4,434	28.3	4,696	37.1	156	1.2	3.4
TECHNICAL APPLICATIONS/APPLIED BIOLOGY	467	3.0	512	4.0	23	0.2	4.8
ZOOLOGY	1,309	8.4	1,305	10.3	49	0.4	3.5
BOTANY	1,382	8.8	1,361	12.3	65	0.5	4.2
BIOLOGY I, COLLEGE LEVEL/MICROBIOLOGY	15,317	97.8	12,421	98.1	2,875	22.7	23.1
LIFE SCIENCE	109	0.7	142	1.1	2	0.0	1.2
PHYSICAL SCIENCE, 1ST/2ND YEAR	8,711	55.6	7,235	57.3	1,081	8.5	14.8
CHEMISTRY I/II/APPLIED/STUDY	13,999	89.4	12,167	96.1	962	7.6	8.0
CHEMISTRY AND PHYSICS, COLLEGE LEVEL	9,471	60.5	9,118	72.0	285	2.3	3.2
PHYSICS, 1ST/2ND YEAR	5,576	35.6	5,614	44.3	129	1.0	2.4
ELECTRICITY/ELECTRONICS/APPLIED PHYSICS	357	2.3	429	3.4	12	0.1	3.0
EARTH-SPACE SCIENCES/METEOROLOGY/ASTRONOMY	5,430	34.7	5,625	44.4	483	3.8	8.6
AERONAUTICS	317	2.0	516	4.1	9	0.1	1.4
EARTH SCIENCES	430	2.7	540	4.3	21	0.2	4.2
SPACE SCIENCE	285	1.8	246	1.9	18	0.1	7.9
GEOLOGY	1,236	7.9	1,701	13.4	59	0.5	3.7
OCEANOGRAPHY	700	4.5	990	7.8	36	0.3	3.4

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SOCIAL SCIENCE 1982

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
SOCIAL SCIENCE TOTAL	15,646	99.9	12,617	99.7	15,008	118.5	118.8
ANTHROPOLOGY/ARCHEOLOGY	1,837	11.7	2,396	18.9	88	0.7	3.7
ACCULTURATION/WORLD CULTURES	1,846	11.8	1,972	15.6	321	2.5	16.3
AREA STUDIES, N.E.C./OTHER SPECIFIED	1,363	8.7	1,721	13.6	76	0.6	4.2
AREA STUDIES AND HISTORY, AFRICAN	957	6.1	1,083	8.6	67	0.5	6.4
AREA STUDIES, ASIAN/ORIENTAL	508	3.2	720	5.7	24	0.2	2.9
AREA STUDIES, EUROPEAN	713	4.5	722	5.7	110	0.9	16.2
AREA STUDIES, ASIAN AND AFRICAN/MID EAST	510	3.3	566	4.5	79	0.6	15.0
AREA STUDIES AND HISTORY, RUSSIAN	576	3.7	774	6.1	22	0.2	3.0
AREA STUDIES, AMERICAN	2,108	13.5	2,274	18.0	344	2.7	15.5
AREA STUDIES AND HISTORY, LATIN AMERICAN	165	1.1	236	1.9	9	0.1	3.1
CONSERVATION	893	5.7	1,015	8.0	29	0.2	3.0
ENVIRONMENTAL EDUCATION	2,270	14.5	2,736	21.6	91	0.7	3.4
ECONOMICS	6,240	39.8	6,479	51.2	577	4.6	9.2
CONSUMER ECONOMICS	3,069	19.6	3,084	24.4	219	1.7	7.2
ECONOMIC PROBLEMS/HISTORY	1,912	12.2	1,883	14.9	162	1.3	8.6
GEOGRAPHY, HUMAN AND CULTURAL	921	5.9	658	5.2	37	0.3	5.9
GEOGRAPHY, POLITICAL/ECONOMIC	6,853	43.7	5,974	47.2	560	4.4	9.1
GEOGRAPHY, PHYSICAL	543	3.5	541	4.3	34	0.3	6.4
GEOGRAPHY, REGIONAL	664	4.2	698	5.5	42	0.3	6.5
HISTORY, N.E.C./COLLEGE LEVEL	1,701	10.9	1,920	15.2	173	1.4	8.6
HISTORY, AMERICAN AND WORLD BACKGROUNDS	10,065	64.2	8,114	64.1	1,706	13.5	20.5
HISTORY, MODERN EUROPEAN	546	3.5	637	5.0	35	0.3	5.7
HISTORY, STATE, GRADE 9-12	4,354	27.8	3,491	27.6	409	3.2	11.8
HISTORY, UNITED STATES, GRADE 9-12	7,194	45.9	7,184	56.7	1,750	13.8	24.7
AFRO-AMERICAN STUDIES/BLACK HISTORY	813	5.2	1,327	10.5	29	0.2	2.0
AMERICAN INDIAN PROBLEMS/HISTORY	209	1.3	334	2.6	10	0.1	3.2
WORLD CIVILIZATION/HISTORY	11,072	70.7	9,919	78.3	1,473	11.6	14.7
NON-WESTERN CIVILIZATION/HISTORY	251	1.6	321	2.5	31	0.2	10.6
ORIENTAL HISTORY	279	1.8	331	2.6	13	0.1	4.2
ANCIENT/MEDIEVAL HISTORY	931	5.9	1,173	9.3	77	0.6	6.9
HUMANITIES AND PHILOSOPHY	1,494	9.5	1,735	13.7	46	0.4	2.8
AMERICAN GOVERNMENT	10,243	65.4	8,392	66.3	1,377	10.9	16.4
U.S. CONSTITUTION	401	2.6	434	3.4	45	0.4	10.3
PROBLEMS OF DEMOCRACY	642	4.1	685	5.4	34	0.3	5.3
STATE GOVERNMENT	656	4.2	704	5.6	58	0.5	8.4
COMMUNITY CIVICS	6,410	40.9	4,867	38.4	699	5.5	14.4
BASIC AMERICAN LAW	3,230	20.6	3,839	30.3	239	1.9	6.3

TABLE 2.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1981-82

(U.S. TOTAL SECONDARY SCHOOLS = 15,667, U.S. TOTAL SECONDARY ENROLLMENT = 12,660,537)

SOCIAL SCIENCE 1982 (CONTINUED)

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
COMPARATIVE SYSTEMS	598	3.8	722	5.7	41	0.3	5.5
CURRENT EVENTS	3,135	20.0	2,523	19.9	143	1.1	5.5
INTERNATIONAL RELATIONS	1,044	6.7	1,316	10.4	44	0.3	3.6
POLITICAL THEORY/POLITICAL SCIENCE	705	4.5	1,005	7.9	42	0.3	3.9
HUMAN RELATIONS	907	5.8	943	7.5	41	0.3	4.6
PSYCHOLOGY	9,198	58.7	8,594	67.9	656	5.2	7.7
SOCIOLOGY/SOCIAL ORGANIZATION	12,778	81.6	11,168	88.2	1,602	12.7	14.2
SOCIOLOGY, URBAN	530	3.4	828	6.5	40	0.3	5.0
SOCIAL PROBLEMS/CRIMINOLOGY	2,143	13.7	1,810	14.3	93	0.7	5.5
RACIAL AND MINORITY PROBLEMS	1,812	11.6	2,263	17.9	75	0.6	3.1
RELIGION, COMPARATIVE AND BIBLE HISTORY	953	6.1	1,079	8.5	71	0.6	5.0
INTERGROUP (COMMUNITY) RELATIONS	1,373	8.8	1,800	14.2	63	0.5	3.2
CAREER EDUCATION/OCCUPATIONAL GUIDANCE	9,636	61.5	9,366	74.0	1,005	7.9	10.7

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TABLE 2.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1981-82

(U.S. TOTAL SECONDARY SCHOOLS = 15,667, U.S. TOTAL SECONDARY ENROLLMENT = 12,650,537)

TRADES AND INDUSTRY 1982

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
TRADES AND INDUSTRY TOTAL	14,722	94.0	12,350	97.5	1,874	14.8	15.3
TRADES AND INDUSTRY, N.E.C./OTHER SPECIFIED	1,629	10.4	2,231	17.6	61	0.5	2.6
GRAPHIC ARTS	504	3.2	767	6.1	9	0.1	1.2
TEXTILE/LEATHER PRODUCTION/FABRICATION	1,609	10.3	2,002	15.8	21	0.2	1.1
ELECTRICITY, 1ST YEAR	512	3.3	655	5.2	4	0.0	0.6
ELECTRICITY 2D/3D/4TH YR/SMALL ENGINE REPAIR	832	5.3	881	7.0	10	0.1	1.2
ELECTRONICS, 2D/3D/4TH YEAR	494	3.2	607	4.8	3	0.0	0.5
BODY AND FENDER MECHANICS, 1ST/2D YEAR	2,810	17.9	3,358	26.5	62	0.5	1.7
AUTOMOTIVE MECHANICS, 1ST/2D YEAR/DIESEL	1,831	11.7	2,481	19.6	50	0.4	2.1
AVIATION AND AIRCRAFT MECHANICS (AIRFRAME)	617	3.9	890	7.0	12	0.1	1.3
MASONRY	1,494	9.5	1,831	14.5	26	0.2	1.6
CONSTRUCTION/MAINTENANCE TRADES	3,297	21.0	3,854	30.4	57	0.5	1.5
WOODWORKING, 2D/3D/4TH YR AND CABINETMAKING	676	4.3	768	6.1	11	0.1	1.6
DRAFTING/MECHANICAL DRAWING, 1ST/2D YEAR	10,579	67.5	10,355	81.8	480	3.8	4.7
MACHINE SHOP	2,768	17.7	3,505	27.7	87	0.7	2.6
SHEET METAL, 1ST/2D YEAR	13	0.1	32	0.3	2	0.0	5.9
METAL WORKING, 1ST/2D/3D YEAR AND FOUNDRY	111	0.7	199	1.6	5	0.0	2.7
COSMETOLOGY, 1ST/2D/3D YEAR AND BARBERING	2,896	18.5	3,586	28.3	74	0.6	1.9
COOK-CHEF	3,888	24.8	4,549	35.9	89	0.7	2.0
VOCATIONAL GROUP GUIDANCE/EXPLORATORY	13,891	88.7	11,525	91.0	812	6.4	7.1

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TABLE 2.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1981-82

(U.S. TOTAL SECONDARY SCHOOLS = 15,667; U.S. TOTAL SECONDARY ENROLLMENT = 12,660,537)

SAFETY AND DRIVER EDUCATION 1982

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
SAFETY AND DRIVER EDUCATION TOTAL	10,874	69.4	8,854	69.9	2,026	16.0	22.9
DRIVER EDUCATION, CLASSROOM INSTRUCTION	10,538	67.3	8,378	66.2	1,682	13.3	20.1
PRACTICE DRIVING, INCLUDING SIMULATION	1,501	9.6	1,582	12.5	262	2.2	16.0
SAFETY, ALL GRADES	294	1.9	266	2.1	59	0.5	20.8
CIVIL DEFENSE	63	0.4	111	0.9	3	0.0	2.7

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TABLE 2.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1981-82

(U.S. TOTAL SECONDARY SCHOOLS = 15,667, U.S. TOTAL SECONDARY ENROLLMENT = 12,660,537)

R.O.T.C. 1982

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
R.O.T.C. TOTAL	1,751	11.2	2,610	20.6	172	1.4	6.3
JR. R.O.T.C., NAVAL SCIENCE	1,751	11.2	2,610	20.6	172	1.4	6.3

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TABLE 2.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1981-82

(U.S. TOTAL SECONDARY SCHOOLS = 15,667, U.S. TOTAL SECONDARY ENROLLMENT = 12,660,537)

COMPUTER SCIENCE 1982

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
COMPUTER SCIENCE TOTAL	7,173	45.8	7,727	61.0	344	2.7	4.5
COMPUTER AND INFORMATION SCIENCES	1,432	9.1	1,732	13.7	54	0.4	3.1
COMPUTER PROGRAMMING	4,371	27.9	4,422	34.9	151	1.2	3.4
DATA PROCESSING	3,865	24.7	4,775	37.7	133	1.1	2.8
INFORMATION SCIENCES AND SYSTEMS	32	0.2	54	0.4	5	0.0	10.8

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TABLE 2.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1981-82

(U.S. TOTAL SECONDARY SCHOOLS = 15,667, U.S. TOTAL SECONDARY ENROLLMENT = 12,660,537)

ALLIED HEALTH 1982

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
ALLIED HEALTH TOTAL	3,220	20.6	3,844	30.4	80	0.6	2.1
DENTAL ASSISTANT/TECHNOLOGY	876	5.6	958	7.6	5	0.0	0.5
LABORATORY/CHEMICAL TECHNOLOGY	709	4.5	939	7.4	28	0.2	3.1
HOME HEALTH AIDE/COMMUNITY HEALTH	146	0.9	249	2.0	4	0.0	1.8
HEALTH OCCUPATIONS	703	4.5	1,048	8.3	19	0.1	1.9
NURSING	1,834	11.7	2,204	17.4	24	0.2	1.1
OPHTHALMIC/REHABILITATION SERVICES	51	0.3	60	0.5	0 [1]	0.0	0.2

1) Less than 500 students nationally were enrolled in this course.

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TABLE 2.-PUBLIC SECONDARY SCHOOLS OFFERING SPECIFIC COURSES, ENROLLMENTS IN THE SCHOOLS AND COURSES, AND THEIR PERCENT OF U.S. TOTALS, BY COURSE TITLE: UNITED STATES 1981-82

(U.S. TOTAL SECONDARY SCHOOLS = 15,667, U.S. TOTAL SECONDARY ENROLLMENT = 12,660,537)

MISC. 1982

	NUMBER OF SCHOOLS OFFERING THIS COURSE	AS % OF ALL SECONDARY SCHOOLS	TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE	AS % OF TOTAL SECONDARY ENROLLMENT	TOTAL ENROLLMENT IN THIS COURSE (THOUSANDS)	AS % OF TOTAL SECONDARY ENROLLMENT	AS % OF TOTAL ENROLLMENT IN SCHOOLS OFFERING THIS COURSE
MISC. TOTAL	1,317	8.4	1,775	14.0	38	0.3	2.1
ARCHITECTURE AND ENVIRONMENTAL DESIGN	289	1.8	400	3.2	7	0.1	2.0
INSTITUTIONAL/HOME MANAGEMENT SERVICES	227	1.5	274	2.2	6	0.0	1.4
PARKS AND RECREATION	49	0.3	99	0.8	5	0.0	2.8
MUSEOLOGY	26	0.2	21	0.2	0 [1]	0.0	0.1
ENGINEERING	780	5.0	1,101	8.7	20	0.2	2.0

1) Less than 500 students nationally were enrolled in this course.

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TABLE 3: COURSE ENROLLMENTS IN SUBJECT AREAS, AND THEIR PERCENTAGES OF THE TOTAL PUBLIC SECONDARY SCHOOL STUDENTS ENROLLED IN GRADES 9 TO 12: UNITED STATES, 1972-73 and 1981-82

Subject Area	1972-73[1]		1981-82[2]	
	Number (Thousands)	Percent	Number (Thousands)	Percent
Total Pupils, Grades 9-12	11,975	100.00	12,661	100.00
English Language Arts	15,605	130.3	17,716	139.9
Health and Physical Education	8,679	72.5	11,859	93.7
Social Sciences	11,710	97.8	15,008	118.5
Mathematics	6,619	55.3	9,850	77.8
Natural Sciences	6,119	51.1	8,278	65.4
Music	3,004	25.1	2,733	21.6
Business	5,763	48.1	5,874	46.4
Industrial Arts	2,903	24.2	2,980	23.5
Home Economics	2,439	20.4	3,024	23.9
Foreign Languages	3,067	25.6	2,953	23.3
Art	2,143	17.9	3,061	24.2
Agriculture	322	2.7	420	3.3
Vocational Trade and Industrial Education	447	3.7	1,874	14.8
Safety and Driver's Education	3,297	27.5	2,026	16.0
R.O.T.C.	142	1.2	172	1.4
Computer Science	-----	-----	344	2.7
Allied Health	-----	-----	80	.6

1/ These numbers and percentages differ from those previously reported for this survey (Osterndorf, Logan. Summary of Offerings and Enrollments in Public Secondary Schools, 1972-73, NCES 76-150.) because the data have been reprocessed after modifying the sample to make it more similar to that used in the 1981-82 study (see appendix c).

2/ Estimates are based on student transcript data.

TECHNICAL APPENDICES

A. SOURCES OF THE DATA

Data for the analysis of public secondary school course offerings and enrollments came from three sources. Course offerings and enrollments data for the 1972-73 school year were collected as part of the 1973 Survey of Public Secondary School Offerings, Enrollments, and Curriculum Practices sponsored by NCES. Two NCES surveys provided the data on 1981-82 course offerings and enrollments. Both surveys were part of the HS&B First Follow-Up Study. The 1982 HS&B Offerings and Enrollments Survey provided data on secondary school offerings, while the data collected by the 1982 HS&B Transcripts Survey were used to estimate course enrollments.

All three of the NCES surveys were constructed to provide national estimates. The sample designs of the three are described in the following sections.[1]

A.1 1973 Survey of Public Secondary Schools Sample Design

The sample design of the 1973 survey of public secondary schools was a one-stage stratified simple random sample. Schools were stratified by state,

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1/ More detailed information on the sample designs of the three surveys as well as information on their data collection procedures and other survey features is provided in:

Logan Osterndorf, Summary of Offerings and Enrollments in Public Secondary Schools, 1972-73. Washington, D.C.: U.S. Government Printing Office (NCES 76-150), 1975.

C. Jones, S. Knight, H. McWilliams, M. Butz, I. Crawford, and B. Stephenson, High School and Beyond Course Offerings and Course Enrollments Survey (1982): Data File User's Manual. Chicago, Illinois: National Opinion Research Center, 1983.

C. Jones, S. Knight, M. Butz, I. Crawford, and B. Stephenson, High School and Beyond Transcripts Survey (1982): Data File User's Manual. Chicago, Illinois: National Opinion Research Center, 1983.

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location (large-city schools versus schools located outside large cities), enrollment size (1,500 or greater, 1,000-1,499, 500-999, 300-499, 100-299, and under 100), and school grade (junior high, senior high, and combination schools with both junior and senior high school grades). Nationally, 8,193 schools were selected from a universe of 22,737 schools.

A.2 High School and Beyond Sample Designs

A.2.1 Base Year Survey Sample Design

Base year data for the HS&B study were collected in 1980. A highly stratified, two-stage probability sample was used to select more than 58,000 high school students (over 28,000 seniors and over 30,000 sophomores) from more than 1,000 public and private secondary schools. Schools were selected during the first stage of the design with a probability proportional to the estimated enrollment in their 10th and 12th grades.[2] During the second stage of sampling, 36 seniors and 36 sophomores were selected in each school, except in those schools with fewer than 36 seniors or 36 sophomores. In the latter schools, all eligible students were drawn in the sample.

A.2.2 First Follow-Up Survey Sample Design

The HS&B First Follow-Up Survey sample retained the essential features of the 1980 sample design.[3] That is, it was a multi-stage, stratified, probability sample with schools selected during the first stage of sampling and

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2/ This section criterion was not used uniformally across all the strata in the sample design. In certain special sample strata (e.g., schools with large minority enrollments), study requirements resulted in an oversampling of schools. For more information on the Base Year Survey sample design, see M. Frankel, L. Luane, D. Buonanno, and R. Tourangeau, Sample Design Report, Chicago, Illinois: National Opinion Research Center. 1981.

3/ See C. Jones, M. Clarke, G. Mooney, H. McWilliams, I. Crawford, B. Stephenson, and R. Tourangeau, High School and Beyond 1980 Sophomore Cohort First Follow-Up (1982): Data File User's Manual, Chicago, Illinois: National Opinion Research Center, 1983.

students selected during the second stage. Listed below are the important features of the 1982 First Follow-Up design:

- All schools selected as part of the Base Year Survey were contacted for participation in the First Follow-Up Survey unless they had no 1980 sophomores, had closed, or had merged with other schools in the Base Year sample.

- 1980 sophomores still enrolled in their 1980 schools were retained with certainty, resulting in the inclusion of approximately 30,000 1980 sophomores in the sample.

- 1980 sophomore cohort students who were no longer attending their Base Year schools (e.g., dropouts, early graduates, and those who had transferred as individuals to a new school) were subsampled.

A.2.3 Course Offerings and Course Enrollments Survey Sample Design

Secondary school course offerings and enrollment data were collected from those schools selected as the first-stage sampling units in the Base Year Survey in which 1980 sophomores were still enrolled during the 1981-82 academic year. Of the more than 1,000 schools included in the Base Year Survey, 975 schools had a 10th and/or 12th grade in 1980 and were in continuous existence through the 1981-82 academic year (i.e., they had not closed or merged with other schools since the 1980 survey). School administrators at the 975 schools were asked to provide information on the courses offered at their schools during the academic year and the enrollments in these courses.

A.2.4 Transcripts Survey Sample Design

The sample for the HS&B Transcripts Survey was selected from among the 1980 sophomores who were eligible for the First Follow-Up Survey. Prior to selecting the sample, 1980 sophomores were stratified according to a number of student and school level characteristics. The strata were partitioned into one of two major groups with different student selection probabilities:

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one contained policy-relevant subgroups (e.g., students from private schools, base year nonrespondents, and high achievement blacks and high achievement Hispanics), and the other contained all remaining sophomore subgroupings (e.g., other blacks, other Hispanics, and all other students).

All students in the policy-relevant subgroups were selected with certainty, resulting in 12,987 students being included in the Transcripts Survey sample. An additional 5,440 sophomores were selected from the remaining subgroups, with a selection probability equal to approximately .32. A total of 18,427 members of the 1980 sophomore cohort were selected for participation in the Transcripts Survey.

B. SURVEY NONRESPONSE AND NONRESPONSE ADJUSTMENTS

Not all of the sampled schools in the 1973 survey responded to the request for information on course offerings and course enrollments. Approximately 96 percent of the 7,850 schools sampled responded to the request for this information. In order to account for nonresponding schools, the case weights of the responding schools were adjusted so that they summed to the original estimated population of 22,737 schools.

Lists of courses offered in the 1981-82 school year were supplied by 941 (97 percent) of the schools selected for participation. Data on course enrollments were received from only 762 (78 percent) of the eligible schools. In addition, 97 percent of the schools reported incomplete enrollment values for the courses they offered during the school year. Roughly one-third of the schools reported enrollment data for 80-90 percent of the courses they reported offering, and another one-third of the schools reported enrollment data for between 0 and 59 percent of their courses.

Only 63 (4 percent) of the 1,516 unique course titles that were reported as being offered by one or more schools had complete enrollment data. Approximately 72 percent of the courses identified by schools had between 40 and 100 percent missing enrollment data.

An adjustment for nonresponse to the request for course offerings data was incorporated into the 1981-82 estimates displayed in Tables 2 and 3. This

was accomplished by adjusting the case weights for the responding schools. Case weights were multiplied by the ratio of the sum of the weights for all sampled schools to the sum of the weights for the responding schools.[4]

Because of the high nonresponse rate the school-reported enrollments data could not be used for estimating course enrollments. To do so would have led to seriously biased estimates. It was therefore decided to use student transcript data to estimate 1981-82 course enrollments. The procedures for doing so are elaborated on in Section E.3 of this appendix.

The response rate associated with the Transcripts Survey was satisfactory. Ninety-one percent of the schools responded to the request for student transcripts and provided 15,941 (88 percent) of the 18,152 transcripts requested.

The case weights for the transcripts data were adjusted to take into account differential rates of response for a number of school types and student statuses. The average nonresponse adjustment factor was 1.13.[5]

C. ADJUSTMENTS TO COMPENSATE FOR SCHOOL SAMPLE DESIGN INCONSISTENCIES

In order to compare the estimates of course offerings and course enrollments for the two school years, several adjustments had to be made to the 1973 and 1982 survey data. Since the 1973 survey selected only public schools, private schools selected for the 1982 survey were deleted from consideration. The 1973 survey data were also adjusted by deleting schools that did not have a grade 12. This adjustment resulted in a 1973 sample comparable to

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4/ For the public school data used in the analysis, this adjustment was equal to 15,667/15,115. Thus all estimates of the number of schools offering courses were inflated by a factor of 1.0365.

5/ For more information on this adjustment see High School and Beyond Transcripts Survey (1982): Data File User's Manual, pp. 12-17.

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that of 1982. A summary of the effects of these changes on the sample sizes of the school surveys is presented in Table C.1.

Estimates of 1972-73 course offerings and course enrollments, after the above adjustments were made, were based on a sample of 5,379 schools. When private schools were removed from the 1981-82 survey, 862 of the sampled schools remained of which 835 reported course offerings data.

D. COURSE TITLE AND SUBJECT AREA INCONSISTENCIES

The number of course titles found in secondary schools has increased over the nine-year period, 1973-1982. Moreover, the structure of the secondary school curriculum has changed along with the content of the courses taught in public high schools. Since the two studies were designed to collect data for a particular time period, the course title and subject area coding structures used in the surveys differ somewhat from one another.

There is often variation in the numbers of courses listed under a particular subject area as well as differences in the way in which some subjects are organized. For example, the courses listed under English in 1972-73 are found in several different program areas in the classification system used in 1981-82. The courses listed under English in the 1972-73 data are listed under letters, basic skills, journalism, humanities, dramatic arts, and library in the 1981-82 data.

There was also a marked change in course content during the period covered by the surveys. In 1972, for example, English courses were most frequently year-long studies of literature, composition and speech. Courses were usually designated by grade levels. In the late sixties, flexibility in this arrangement began, culminating in the 1980s with the change to limited, specific titles for courses that might have greater appeal to students. Some of these later titles were "lifted" out of year-long courses, e.g., romanticism, realism, Victorian literature. Others reflected an expanded world view and greater awareness of heretofore ignored areas such as women in literature, protest literature, Mexican-American literature, and Irish

TABLE C.1: 1973 AND 1982 SCHOOL SAMPLE SIZES AFTER ADJUSTMENTS ARE MADE TO COMPENSTATE FOR SAMPLE DESIGN INCONSISTENCIES

Adjustment	1972-73 Sample n	1982 Sample n
Original Sample (No Adjustment)	7,852 (1.00)[1]	975 (1.00)
Private Schools deleted	7,852 (1.00)	862 (0.88)
Public Schools that do not have a grade 12 deleted	5,379 (0.69)	862 (0.88)

1/ Figures in parentheses represent the proportion of the original sampled schools that remained after the adjustment was made.

literature. Finally, some reflected new developments or a new emphasis in society, for example: rock poetry, literature of human values, interpersonal communication, and technical English.

Before any analysis of the courses offered in 1972-73 and 1981-82 could begin, it was necessary to develop a set of guidelines for reconciling these differences. It was decided that the course coding structure used in the 1973 survey would be the foundation for the analysis. Thus, the 1973 and 1982 course titles were reviewed by education curriculum specialists, and titles from the latter survey were identified that matched or approximated the course content of the 1973 titles.

It was not always possible to identify the 1982 course title that matched a course listed in the 1973 survey. Several approaches to this problem were adopted:

(1) When a specific course offered in 1981-82 was identified as having originally been part of a more general 1972-73 offering, it was aggregated with the original title as it appeared in 1972-73. For example, English courses such as renaissance literature, romanticism, and realism were grouped with British literature.

(2) Certain courses that had emerged since 1972-73 were either: (1) grouped to form their own subject area and listed separately, either because they did not fit into an existing 1972-73 subject area or because they were of special interest (e.g., computer science); or (2) were classified under the "not elsewhere classified" (N.E.C.) category of the appropriate subject area.

(3) When a single course listed under a subject area in 1981-82 had been listed as multiple courses under more than one subject area in 1972-73, the integrety of the course structure of each school year was maintained and the discrepancy between the two noted in the tables. For example, crafts is listed under both the arts and industrial arts subject areas in 1972-73 and is listed only under art in 1981-82.

(4) When there were no equivalent 1981-82 titles to those appearing in 1972-73 the titles were dropped from both years. For example, special mathematics programs (e.g., SMSG, IPI, GCMP, and IMP) listed in the 1972-73 data were not coded in 1981-82. Therefore, they were not included in the analysis.

Section G contains a copy of the course listing that was used for the 1972-73 table entries previously published by NCES.[6] The 1981-82 courses that were grouped to form the table course titles and subject areas are summarized in Section H of this appendix. For the most part the courses listed under a course title are the same in both years. Differences in the courses grouped to form titles in 1972-73 as compared with 1981-82 are noted in Table 1.

E. ESTIMATION PROCEDURES

The goals of the analysis were to identify the courses and subject areas offered in U.S. public secondary schools, and to identify the enrollments in these courses and subject areas for two school years. These data were to be used to determine changes in the curricula of secondary schools and in student participation over the nine-year period covered by two NCES surveys.

Since the goals of the study were directed towards understanding course offerings and course enrollments in all U.S. public secondary schools, estimates were expanded to represent all or some portion of the national population of schools and students. The procedures used to produce the estimates found in the study tables are described below.

E.1 Number and Percentage of U.S. Public Secondary Schools Offering Courses

The total number of schools offering each of the course titles found in Tables 1 and 2 was computed by taking the weighted sum of the schools reporting that a course was offered to the students in their school during

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6/ L. Osterndorf and P. Horn, Course Offerings, Enrollments, and Curriculum Practices in Public Secondary Schools, 1972-73. Washington, D.C.: National Center for Education Statistics, 1976.

the school year that was covered by the survey. Since course titles frequently represent aggregations of individual courses, each school was counted only once for each course title listed in the tables. In other words, the total number of schools offering a course title actually translates to the total number of schools offering one or more of the courses represented by the course title.

The 1972-73 estimates of the number of schools offering course titles were expanded to represent the population of 15,306 schools. Estimates of 1981-82 secondary schools offering the course titles were expanded to represent the population of 15,667 schools. To account for the absence of data from some of the public schools selected to participate in the 1982 survey, all estimates of the number of schools offering course titles were adjusted by a factor of 1.0365. This adjustment represented the ratio of the estimated total population of public schools to the estimate of this population using only responding schools.

The percentage of 1972-73 and 1981-82 schools offering each course title was based on weighted data using the estimate of the total number of schools offering the course and the total school population.

E.2 High School Enrollment in Schools Offering Various Courses

Since the study was only concerned with the courses schools offered their 9th through 12th grade students and the 9th through 12th grade enrollment in these courses, estimates of the high school enrollment were restricted to the grade 9 through grade 12 high school student memberships. In 1972-73, these enrollments were estimated by the weighted sum of the school-reported enrollments in grades 9, 10, 11, and 12.

The HS&B survey of U.S. secondary schools did not request grade-specific enrollments for the 9th and 11th grades. Instead, it asked for the total high school membership of the schools and their grade 10 and grade 12 student memberships.

In the absence of grade-specific enrollment data, schools' responses to the survey item concerning total high school membership were used to estimate the enrollments in those schools offering courses. The accuracy of these estimates rests in part on the assumption that schools defined high school in the same way, i.e., that high school referred only to grade 9 through grade 12. The wording of the questionnaire item and additional analyses comparing the results of this method with other estimation methods and alternative enrollment data suggested that the assumption was valid.

Total high school membership data were not provided by all of the 835 public secondary schools. High school membership values were imputed for 70 (8 percent) of the schools using a cell-average method. All responding schools were stratified by school type (e.g., public, alternative, and Cuban public), census region, and the degree of urbanization. The average high school membership value in each stratum was assigned to all nonresponding schools in the stratum (i.e., those failing to respond to the request for total high school membership data).

The 1981-82 estimates of high school enrollments in schools actually offering courses of study were further adjusted. All estimates were adjusted by a factor of 1.0365 to account for nonresponse to the request for offerings data.

The estimated percentage of the high school enrollment in schools offering a course was based on weighted data. The estimate was expanded to represent the percent of the U.S. students enrolled in schools actually offering the course.

E.3 Course Enrollment

Course enrollment data proved to be the most problematic in both survey years. As a result, various procedures were developed and implemented to offset the shortcomings of these data. The procedures used to restrict the estimates of course enrollments to grades 9 through grade 12 students were described in Section 2.1 of the report.

Each estimate of the 1972-73 enrollment in a secondary school course was calculated by taking the weighted sum of the school-reported course enrollments. The enrollment in a course was computed as a percent of the total high school population of U.S. secondary school students and as a percent of the high school enrollment in those schools where a course was offered. The first percentage was based on 11,974,683 students, while the base of the second varied for each course title.

As noted in Section B above, 1981-82 course enrollment data were missing for an unacceptably large percentage of the course titles reported by the sampled schools. Therefore, the decision was made to estimate course enrollments from data collected by the HS&B Transcripts Survey.

The only restriction on the use of transcript data to estimate course enrollments was that a student was attending or had attended one of the original 862 public schools sampled for the Course Offerings and Enrollments Survey. Thus, included in these estimates were the course histories of students who were still attending their original schools as well as the course histories of students who had transferred to another public school. A total of 12,695 transcript records were used to estimate course enrollments, representing students still attending school, 1982 spring graduates, early graduates, and dropouts.

The estimated total number of students enrolled in a particular course was calculated by the weighted sum of the number of times a course appeared on the transcript records. Since each student's transcript was assumed to represent the course-taking behavior of 9th through 12th graders in 1981-82, repeat courses were counted the number of times that they appeared. Similarly, no consideration was given to whether or not a course was passed or failed, since the purpose of the analysis was to estimate total course enrollment during the 1981-82 academic year, not the successful completion of a course.

All estimated enrollments in the individual courses that were grouped to form a table course title were summed to determine the total enrollment associated with that title. Therefore, unlike the estimates of course offerings, the enrollments in all courses that were grouped were counted.

The estimates of course enrollments were multiplied by a factor of .9394 to adjust for the discrepancy between the estimated total high school membership based on school data and the same estimate based on transcript data. This factor was computed as the ratio of the school-based estimate of total U.S. high school enrollment and the estimate derived from the transcript data. The latter estimate was computed by multiplying the sum of the weights of the transcripts data (3,368,967) by four. Use of this estimate was based on the assumption that, at a minimum, the total grade 9-12 enrollment in U.S. secondary schools is four times the enrollment of the senior class.

The total U.S. course enrollment was also computed as a percent of the total U.S. public secondary school enrollment. The adjusted total course enrollment and the school-based estimate of total secondary school student enrollment were used to estimate this percentage.

The last course enrollment estimate related total enrollment in a course to the high school enrollment in those schools that actually offered the course. Whereas the estimate of the course enrollment expressed as a percent of the total public secondary school enrollment used data from all the student transcripts, this last estimate used only the transcripts of students still attending their original 1980 sampled school, i.e., transfer student transcript data were deleted.

Restricting the use of transcript data was a function of the information that was available on transfer students' schools and the assumptions that would need to be made if transfer student data were used. Since the estimate relates course enrollment to the student enrollment in schools offering a course, individual school data on total school enrollment were required. No school-reported enrollment data were available from the transfer schools; thus, the only estimate of school enrollment available for analysis was that derived from the original 862 HS&B public schools. Therefore, if transfer student data were to be used it would have to be assumed that the characteristics (e.g., total student enrollment) of the schools that students had transferred to were the same as the characteristics of the schools that they had originally attended. While

such an assumption was reasonable for an estimate based on all schools (course enrollment as a percent of the total high school enrollment), its validity was more problematic for an estimate that related course enrollments to the student enrollments of a subset of specific schools that offered particular courses.

The estimate of course enrollment as a percent of the student enrollment in schools where a course was offered was computed by taking the weighted sum of the number of occurrences of a course on the 12,010 non-transfer student transcripts, divided by the estimated student enrollment in the non-transfer schools offering the course. The estimate was adjusted by a factor to account for the discrepancy between the school-based estimate of total student enrollment and the total student enrollment based on four times the sum of the weights of the non-transfer students (3,096,564). An adjustment factor of 1.022 was applied to all estimates.

F. STANDARD ERRORS

Each of the 1973 and 1982 samples represent only one of many that could have been selected using the same sample design specifications. Estimates derived from these different samples would vary. Standard errors for the estimated totals and percentages measure the precision of these estimates, i.e., the variation of all possible estimates around the theoretical, complete-coverage values. The standard errors, together with the sample estimates, may be used to define confidence intervals, i.e., ranges that would include the comparable complete-coverage value for a specified percentage of all possible samples. For example, the complete-coverage value would be included in the range from two standard errors above to two standard errors below the estimate for about 95 percent of all possible samples.

Estimates of course offerings and course enrollments were based on school-reported data, student transcript data, or a combination of the two. Therefore, the methods used to calculate the standard errors of these estimates vary by the source of the data as well as by the type of estimate.

The methods that were used to compute standard errors for the estimates reported in Tables 1 through 3 are described in the following sections. The standard errors for these estimates are provided in Tables A.1 and A.2.

F.1 Standard Errors for 1972-73 and 1981-82 Course Offerings and School Enrollment Estimates

The standard errors for the estimates reported in Tables 1 through 3 are provided in Tables A.1 and A.2. These standard errors were calculated by adjusting estimates obtained under the assumption of simple random sampling for the sample design that actually was employed in the survey. The equations used in the calculations are discussed in sections F.1 through F.3, and the design effect adjustment factors (D) are given in section F.4.

All of the estimates of the number and percentage of schools offering course titles and the number and percentage of students enrolled in schools where course titles were offered used school-reported data. The standard error (SE) of a percentage (p) estimated from a simple random sample of n schools is approximately:

$$SE_{(p)} = D \sqrt{(1 - n/N) \quad (p)(100-p) \; /n} \qquad (1)$$

where D is the design effect adjustment factor.
The standard error of the estimated number of schools offering a course is computed by multiplying the standard error of the estimated proportion ($SE_p/100$) by the number of schools in the population of U.S. public secondary schools. There were 15,306 public secondary schools in 1972-73 and 15,667 schools in 1981-82.

The standard error of the estimated total high school enrollment in those schools offering a course is computed by multiplying the standard error of the mean of this characteristic by the number of schools (N) in the population. Since only a subset of the schools in each sample offered a given course, the high school enrollment for those schools not offering a

course is set to zero when computing the standard error of the mean. Assigning zero values for schools not offering a course takes into account that the estimate is in part a function of the estimate of the number of schools offering a course. The following formula is used to approximate the standard error of the estimated total high school enrollment:

$$SE_{(T)} = D\sqrt{N^2(1 - n/N)\, S^2/n} \qquad (2)$$

Where S^2/n is equal to the weighted sampling variance of the high school enrollment in those schools offering a course, n is equal to the number of schools in the sample, N is equal to the number of schools in the population, and D is the design effect adjustment factor.

The estimate of the student enrollment in schools where a course was offered (x) as a percentage of the total high school enrollment of all schools (y) was computed as a ratio of two random variables. Both the numerator and denominator of the estimate were subject to sampling error. The standard error of this type of ratio estimate can be computed by the following formula:

$$SE_{(p)} = \frac{D}{y}\sqrt{Var_{(x)} + \frac{x^2}{y^2}\, Var_{(y)} - 2\,\frac{x}{y}\, Cov_{(x,\,y)}} \qquad (3)$$

Where $Var_{(x)}$ = sampling variance of the estimated total of variable x

$Var_{(y)}$ = sampling variance of the estimated total of variable y

$Cov_{(x,y)}$ = sampling covariance of the estimated x and y totals.

The sampling variance of the total student enrollment in schools offering a course is computed by squaring the standard error produced by Equation 2 above. The sampling variance of the total U.S. high school enrollment is also calculated by squaring the standard error of this estimate using Equation 2.

F.2 Standard Errors for 1972-73 Course Enrollment Estimates

All 1972-73 estimates of course enrollments are based on data supplied by the sampled public secondary schools. The standard errors of these estimates are computed by the same methods which were outlined in Section F.1.

The standard error of the number of students enrolled in a course is approximated by Equation 2. As was the case for the high school enrollment in schools where a course was offered, zero enrollment values are entered for those schools reporting that a particular course was not offered.

The standard errors of the percentage of U.S. public secondary school students enrolled in a course and the course enrollment as a percent of student enrollment in schools offered a course are approximated by Equation 3. The variances of the estimated number of students enrolled in a course, the student enrollment in schools offering a course, and the total high school enrollment are computed following the methods outlined earlier.

F.3 Standard Errors for 1981-82 Course Enrollment Estimates

The prevalence of nonresponse to the HS&B survey's request for enrollment data resulted in student transcript data being used to estimate total course enrollments and their accompanying percentages. Consequently, the methods for calculating the standard errors of these estimates deviate somewhat from those summarized in Section F.2 above.

The standard error of the estimated enrollment in a course is approximated by multiplying the standard error of the mean number of students enrolled in a course (see Equation 2) by the total number of students in the population. The standard error of the mean is approximated from the transcript data with the number of students in the population estimated by summing the sampling weights of the students in the transcripts sample.

The standard error of the estimated percentage of all public high school students taking a course is approximated by Equation 3 without the covariance term.[6] The sampling variance of the estimated course enrollment is computed by squaring the standard error of the estimated course enrollment. The sampling variance of the total public high school membership is calculated in the same manner as it was for the 1972-73 estimate.

The estimate of course enrollment as a percent of the student enrollment in schools offering a course was computed using the subsample of nontransfer student data (i.e., only transcripts of students still attending one of the original HS&B sampled schools were used to estimate the course enrollment for the numerator of this percentage). The standard error of this ratio is approximated by Equation 3 without the covariance term. The sampling variance of the estimated course enrollment of these students is computed by the same procedures which were used to calculate the variance of the course enrollments for the entire transcript sample. The only difference is the N and n used to compute the sampling variance. The sampling variance of the estimated high school enrollment in schools offering a course is the same as that computed for this school-based estimate using Equation 2.

F.4 Design Effects

Since the schools in the 1972-73 survey and the HS&B offerings and enrollments survey were selected using a disproportionate stratified sampling design, simple random sampling formulas will not accurately estimate the

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6/ Since the estimates of course enrollment and total high school enrollment are based on two different samples with different n's, it is not possible to compute a covariance for these estimates. Therefore, the standard errors of the estimated percentages will be larger than if the covariance were taken into account. The inability to compute a covariance is a function of the estimation procedure used. Had student transcript data been aggregated to the level of the sampled schools and a school-specific weight been calculated reflecting the sophomore cohort enrollment for each school, all the estimates would be based on the same n. The calculation of a new school enrollment weight would require additional imputation, since not all schools reported grade membership data. As a result, additional nonsampling error would be introduced into the estimates.

variance and standard errors of simple statistics such as percentages. To To compensate for the effects of the sampling designs, it is necessary to adjust for the design effects of the sampling approaches. This is accomplished by multiplying the simple random sampling standard error (SE_{SRS}) by the estimated design effect factor (D):

$$SE = D \times SE_{SRS}.$$

A conservative approach to the 1982 school data assumes a design effect factor of 1.7. The estimated design effect factor for the 1972-73 school survey is 1.2. For standard errors of transcript-based estimates, the estimated design effect is 1.4 when all data are used and 1.3 when only non-transfer data are used.

F.5 Standard Error Tables

These design effect factors were employed in equations (1), (2) and (3) to produce the standard error values contained in Tables A.1 and A.2. The standard errors of the 1972-73 estimates are presented in Table A.1, while Table A.2 contains the standard errors of the 1981-82 estimates.

TABLE A1 -STANDARD ERRORS FOR TABLE 1 ESTIMATES[a]

AGRICULTURE 1972

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
AGRICULTURE TOTAL	94	0.61	81	0.73	6	0.06	0.43
AGRICULTURE, 1ST YEAR	91	0.59	72	0.64	2	0.02	0.21
AGRICULTURE, 2ND YEAR	88	0.58	68	0.61	2	0.02	0.16
AGRICULTURE 3RD/4TH YEAR	83	0.54	60	0.53	3	0.02	0.26
AGRICULTURE MANAGEMENT/PRODUCTION/SUPPLIES	29	0.19	33	0.27	1	0.01	0.49
AGRICULTURE MECHANICS/CONSTRUCTION	37	0.24	32	0.27	1	0.01	0.59
ORNAMENTAL HORTICULTURE	26	0.17	41	0.35	1	0.01	0.44
AGRICULTURE RESOURCE/CONSERVATION/FORESTRY	22	0.15	29	0.24	1	0.01	0.75

[a/] Standard errors of less than 500 or less than five-hundredths of one percent are rounded to zero.

TABLE A1.-STANDARD ERRORS FOR TABLE 1 ESTIMATES

ART 1972

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
ART TOTAL	90	0.59	162	1.79	27	0.32	0.38
ART I	100	0.65	155	1.61	11	0.12	0.19
ART II	102	0.67	140	1.37	6	0.06	0.12
ART III/IV AND ART STUDIO	99	0.65	149	1.42	6	0.05	0.11
ART APPRECIATION/HISTORY	57	0.37	100	0.85	9	0.07	0.54
DESIGN, COMMERCIAL/INDUSTRIAL	67	0.44	123	1.07	3	0.03	0.16
GRAPHICS	49	0.32	83	0.70	2	0.02	0.21
CRAFTS	67	0.44	112	0.97	5	0.05	0.35
JEWELRY AND METALWORK	52	0.34	93	0.80	3	0.03	0.30
POTTERY AND CERAMICS	76	0.49	128	1.13	5	0.05	0.25
PAINTING/DRAWING/DESIGN	81	0.53	133	1.19	6	0.06	0.24
PHOTOGRAPHY/FILMMAKING	50	0.33	88	0.75	3	0.02	0.33
SCULPTURE	53	0.34	91	0.78	2	0.02	0.19

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TABLE A1.-STANDARD ERRORS FOR TABLE 1 ESTIMATES

BUSINESS 1972

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
BUSINESS TOTAL	43	0.28	155	1.80	57	0.78	0.82
EXPLORATORY/GENERAL BUSINESS	102	0.67	146	1.44	8	0.08	0.17
ACCOUNTING	71	0.46	108	0.94	5	0.04	0.25
BOOKKEEPING I	94	0.62	149	1.55	7	0.07	0.12
BOOKKEEPING II/III/IV	82	0.54	124	1.11	3	0.02	0.10
RECORDKEEPING	82	0.54	132	1.18	6	0.06	0.22
BUSINESS ARITHMETIC/MATHEMATICS	98	0.64	139	1.31	10	0.09	0.23
BUSINESS COMMUNICATION/CORRESPONDENCE	80	0.52	115	1.02	4	0.04	0.18
BUSINESS LAW	101	0.66	158	1.52	5	0.05	0.10
BUSINESS MACHINES, 1ST/2D YEAR	87	0.57	137	1.23	4	0.04	0.14
CLERICAL PRACTICE/OFFICE EXPERIENCE	91	0.59	137	1.24	5	0.05	0.16
COMPUTER OPERATION/DATA PROCESSING	69	0.45	121	1.09	3	0.03	0.16
CONSUMER ECONOMICS	62	0.40	84	0.72	2	0.02	0.22
CONSUMER EDUCATION	48	0.31	77	0.65	3	0.03	0.44
ECONOMICS/FINANCE/BUSINESS MANAGEMENT	87	0.57	123	1.11	4	0.03	0.13
MARKETING AND DISTRIBUTION	46	0.30	79	0.68	3	0.03	0.33
RETAILING/WHOLESALING	48	0.32	87	0.74	3	0.03	0.29
SALESMANSHIP	58	0.38	97	0.83	2	0.02	0.18
SHORTHAND FOR PERSONAL USE	67	0.44	107	0.93	3	0.02	0.16
SHORTHAND, 1ST YEAR	92	0.60	156	1.67	5	0.06	0.08
SHORTHAND, 2D YEAR/ADVANCED	100	0.65	151	1.45	3	0.03	0.06
SECRETARIAL PRACTICES	92	0.60	121	1.10	3	0.03	0.11
TYPEWRITING FOR PERSONAL USE	95	0.62	135	1.26	9	0.09	0.25
TYPEWRITING, 1ST YEAR	60	0.39	155	1.76	15	0.21	0.24
TYPEWRITING, 2D/3D/4TH YEAR	98	0.64	156	1.61	7	0.07	0.12

TABLE A1.-STANDARD ERRORS FOR TABLE 1 ESTIMATES

ENGLISH LANGUAGE ARTS 1972

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
ENGLISH LANGUAGE ARTS TOTAL	3	0.02	154	1.82	128	1.99	1.99
ENGLISH, N.E.C.	40	0.26	55	0.47	18	0.15	3.75
ENGLISH, GRADES 9 TO 12	37	0.24	154	1.79	84	1.16	1.23
READING, DEVELOPMENTAL	101	0.66	152	1.46	23	0.22	0.45
SPELLING	23	0.15	23	0.19	3	0.03	3.44
LINGUISTICS	38	0.25	58	0.49	6	0.05	1.08
GRAMMER/VOCABULARY/SEMANTICS	41	0.27	59	0.50	6	0.05	0.95
LITERATURE, SPECIFIC/N.E.C.	47	0.30	64	0.54	8	0.07	1.27
LITERATURE, AMERICAN	99	0.65	128	1.19	21	0.19	0.62
LITERATURE, BIBLE/RELIGIOUS	49	0.32	82	0.70	3	0.03	0.31
LITERATURE, ENGLISH	96	0.63	119	1.09	12	0.11	0.40
LITERATURE, EASTERN/WESTERN/WORLD	84	0.55	119	1.06	14	0.12	0.51
LITERATURE, BLACK AND OTHER ETHNIC	59	0.38	95	0.82	5	0.04	0.35
LITERATURE, TWENTIETH CENTURY	75	0.49	110	0.96	13	0.11	0.62
SHORT STORY	63	0.41	83	0.72	8	0.07	0.65
FICTION AND FANTASY/SCIENCE FICTION	43	0.28	70	0.60	4	0.04	0.68
POETRY	57	0.37	82	0.71	4	0.04	0.37
THE NOVEL	61	0.40	79	0.68	7	0.06	0.59
HORROR/SUSPENSE/MYSTERY	26	0.17	43	0.36	8	0.06	2.52
LITERATURE FOR ADOLESCENTS/ATHLETES	23	0.15	37	0.31	3	0.03	1.53
MYTH AND LEGEND	63	0.41	94	0.81	5	0.05	0.41
HUMANITIES	39	0.25	63	0.53	3	0.03	0.56
PROBLEM SOLVING THROUGH LITERATURE	37	0.24	62	0.53	2	0.06	1.21
COMPOSITION	95	0.62	134	1.24	24	0.22	0.65
JOURNALISM/SCHOOL PUBLICATIONS	103	0.67	163	1.62	5	0.05	0.09
CREATIVE WRITING	95	0.62	145	1.34	8	0.07	0.19
ARGUMENTATION AND DEBATE	72	0.47	109	0.95	2	0.02	0.13
COMMUNICATION THEORY/SPEECH/DICTION	38	0.25	56	0.47	4	0.03	0.67
SPEECH AND PUBLIC SPEAKING I & II	99	0.65	156	1.61	14	0.13	0.20
SPEECH THROUGH MASS MEDIA	65	0.43	78	0.85	8	0.07	0.54
RADIO/TV AND FILM	57	0.37	103	0.89	7	0.06	0.49
INTRODUCTION TO THEATRE/DRAMA	95	0.62	149	1.40	5	0.05	0.14
ACTING/PLAY PRODUCTION/CREATIVE DRAMATICS	72	0.47	118	1.04	5	0.04	0.24
DRAMATIC LITERATURE/SHAKESPEARE	69	0.45	105	0.91	5	0.04	0.27
LIBRARY AND MEDIA PRACTICES	70	0.45	89	0.77	6	0.05	0.37
EDUCATION (TEACHER TRAINING)	13	0.09	18	0.15	1	0.00	1.22

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TABLE A1.-STANDARD ERRORS FOR TABLE 1 ESTIMATES

FOREIGN LANGUAGES 1972

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
FOREIGN LANGUAGES TOTAL	76	0.50	158	1.81	45	0.50	0.54
GREEK/CLASSICAL LANGUAGES	10	0.06	25	0.21	0	0.00	0.59
LATIN, 1ST YEAR	87	0.57	143	1.31	2	0.02	0.07
LATIN, 2D YEAR	88	0.58	143	1.32	2	0.02	0.05
LATIN, 3D YEAR	65	0.43	113	0.99	1	0.01	0.06
LATIN, 4TH/5TH 6TH/COLLEGE LEVEL	49	0.32	88	0.75	1	0.01	0.06
CHINESE, 1ST/2D/3D/4TH YEAR	12	0.08	27	0.23	2	0.01	1.58
ENGLISH AS A FOREIGN LANGUAGE	38	0.25	83	0.70	3	0.03	0.38
FRENCH, 1ST YEAR	102	0.67	167	1.73	5	0.05	0.08
FRENCH, 2D YEAR	102	0.67	168	1.74	6	0.06	0.09
FRENCH, 3D YEAR	99	0.65	167	1.63	5	0.04	0.08
FRENCH, 4TH/5TH/6TH YEAR/COLLEGE LEVEL	91	0.59	156	1.45	3	0.03	0.07
GERMAN, 1ST YEAR	93	0.61	159	1.48	4	0.04	0.09
GERMAN, 2D YEAR	92	0.60	159	1.48	3	0.03	0.07
GERMAN, 3D YEAR	84	0.55	150	1.36	3	0.02	0.06
GERMAN, 4TH/5TH/6TH YEAR/COLLEGE LEVEL	67	0.44	120	1.05	1	0.01	0.04
HEBREW, MODERN AND CLASSICAL	17	0.11	49	0.41	1	0.01	0.46
ITALIAN, 1ST YEAR	34	0.22	76	0.64	2	0.01	0.25
ITALIAN, 2D/3D/4TH/5TH YEAR	30	0.20	69	0.58	2	0.02	0.37
JAPANESE, 1ST YEAR	11	0.07	25	0.20	0	0.00	0.98
JAPANESE, 2D/3D/4TH/5TH YEAR	11	0.07	25	0.21	0	0.00	0.94
PORTUGUESE, 1ST/2D/3D/4TH YEAR	9	0.06	18	0.15	1	0.01	2.30
RUSSIAN, 1ST YEAR	36	0.23	74	0.63	1	0.00	0.09
RUSSIAN, 2D YEAR	34	0.22	69	0.59	0	0.00	0.08
RUSSIAN, 3D/4TH/5TH YEAR/COLLEGE LEVEL	28	0.18	58	0.49	1	0.01	0.22
SPANISH FOR NATIVE SPEAKING	15	0.10	36	0.30	0	0.00	0.77
SPANISH, 1ST YEAR	99	0.65	166	1.75	9	0.10	0.14
SPANISH, 2D YEAR	101	0.66	167	1.75	9	0.10	0.13
SPANISH, 3D YEAR	101	0.66	170	1.67	6	0.06	0.09
SPANISH, 4TH/5TH/6TH YEAR/COLLEGE LEVEL	91	0.60	161	1.50	2	0.02	0.05
SWAHILI, 1ST/2D/3D YEAR	10	0.06	23	0.19	0	0.00	0.64
GENERAL FOREIGN LANGUAGE	26	0.17	38	0.32	8	0.06	3.16
SPECIFIC FOREIGN LANGUAGES, OTHER	10	0.07	23	0.19	0	0.00	1.11

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TABLE A1.-STANDARD ERRORS FOR TABLE 1 ESTIMATES

HEALTH AND PHYSICAL EDUCATION 1972

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
HEALTH AND PHYSICAL EDUCATION TOTAL	64	0.42	156	1.76	106	1.28	1.48
HEALTH, GRADES 9 TO 12	92	0.60	123	1.11	36	0.32	1.18
HEALTH, PERSONAL AND FAMILY LIVING/SEX ED	41	0.27	59	0.50	10	0.08	1.97
FIRST AID	39	0.25	48	0.40	8	0.07	2.56
ALCOHOL, DRUGS, AND TOBACCO	40	0.26	44	0.37	11	0.09	3.65
ENVIRONMENTAL HEALTH	17	0.11	26	0.22	3	0.02	3.97
HEALTH AND PHYSICAL EDUCATION, GRADE 9	99	0.65	133	1.32	23	0.27	0.63
HEALTH AND PHYSICAL EDUCATION, GRADE 10	94	0.62	152	1.60	33	0.38	0.59
HEALTH AND PHYSICAL EDUCATION, GRADE 11	102	0.67	149	1.47	27	0.28	0.56
HEALTH AND PHYSICAL EDUCATION, GRADE 12	102	0.67	146	1.42	22	0.22	0.49
HEALTH AND SAFETY	48	0.32	61	0.52	12	0.10	2.06
PHYSICAL EDUCATION, ADAPTED	13	0.08	23	0.20	0	0.00	0.70
BODY DYNAMICS/CONDITIONING/POSTURE	24	0.16	48	0.41	2	0.02	0.76
DANCE, RHYTHMS, AND DRAMATIC EVENTS	22	0.14	37	0.31	6	0.05	2.94
MODERN DANCE/GYMNASTICS	38	0.25	77	0.65	5	0.04	0.70
INDIVIDUAL AND DUAL SPORTS/AQUATICS	26	0.17	45	0.38	7	0.06	2.53
TEAM SPORTS	35	0.23	41	0.35	6	0.05	2.68
RECREATION/LIFETIME SPORTS/HOBBIES	30	0.20	38	0.32	6	0.05	2.17
LEADERSHIP/SCHOOL SUPPORT	21	0.14	44	0.37	1	0.01	0.67

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TABLE A1.-STANDARD ERRORS FOR TABLE 1 ESTIMATES

HOME ECONOMICS 1972

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
HOME ECONOMICS TOTAL	73	0.47	155	1.74	21	0.31	0.38
HOME ECONOMICS, N.E.C.	48	0.31	74	0.83	4	0.03	0.45
HOME ECONOMICS, 1ST YEAR	100	0.65	125	1.25	6	0.07	0.17
HOME ECONOMICS, 2D YEAR	102	0.67	112	1.07	4	0.04	0.13
HOME ECONOMICS 3D/4TH YEAR	98	0.64	98	0.90	3	0.03	0.15
CHILD DEVELOPMENT	88	0.57	133	1.21	4	0.04	0.15
CLOTHING AND TEXTILES, 1ST YEAR	96	0.63	150	1.41	4	0.04	0.13
CLOTHING AND TEXTILES, 2ND YEAR	84	0.55	134	1.21	3	0.03	0.10
CLOTHING AND TEXTILES, 3D/4TH YEAR	71	0.46	111	0.97	3	0.03	0.16
CONSUMER EDUCATION	61	0.40	78	0.66	3	0.02	0.28
FAMILY RELATIONS	99	0.65	138	1.30	6	0.06	0.16
NUTRITION	51	0.33	76	0.65	3	0.02	0.34
FOODS, 1ST/2ND YEAR	97	0.64	149	1.41	7	0.07	0.20
FOODS, 3D/4TH YEAR	62	0.40	91	0.78	3	0.02	0.23
HOME MANAGEMENT	63	0.41	92	0.80	2	0.02	0.18
HOUSING AND HOME FURNISHINGS	82	0.54	117	1.05	2	0.02	0.12
HEALTH AND HOME NURSING	49	0.32	78	0.67	3	0.03	0.39

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TABLE A1.-STANDARD ERRORS FOR TABLE 1 ESTIMATES

INDUSTRIAL ARTS 1972

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	U.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
INDUSTRIAL ARTS TOTAL	85	0.55	159	1.75	33	0.41	0.5[illegible]
GENERAL INDUSTRIAL ARTS, 1ST YEAR	98	0.64	103	0.95	7	0.07	0.29
GENERAL INDUSTRIAL ARTS, 2D YEAR	82	0.54	69	0.61	3	0.03	0.27
GENERAL INDUSTRIAL ARTS, 3D/4TH YEAR	71	0.46	61	0.53	3	0.02	0.33
HOME MECHANICS	35	0.23	49	0.41	2	0.02	0.50
INDUSTRIAL ARTS FOR GIRLS	24	0.15	21	0.17	1	0.00	0.71
BUILDING AND CONSTRUCTION	48	0.31	61	0.52	2	0.02	0.30
CARPENTRY/WOODWORKING	102	0.67	158	1.54	8	0.09	0.19
CRAFTS, GRADE 9-12	50	0.33	64	0.54	3	0.03	0.67
JEWELRY/ART METALS	37	0.24	56	0.47	3	0.02	0.62
LEATHER/TEXTILES/UPHOLSTERY	29	0.19	29	0.25	1	0.01	0.87
PLASTICS	41	0.27	55	0.47	2	0.02	0.45
DRAFTING/DRAWING, GRADE 9-12	97	0.64	142	1.33	6	0.06	0.17
DRAFTING/DRAWING, SPECIALIZED DRAWING	64	0.42	101	0.88	3	0.03	0.17
DRAWING, MECHANICAL, GRADE 9-12	94	0.61	129	1.19	10	0.09	0.26
ELECTRICITY/ELECTRONICS	89	0.58	142	1.30	5	0.04	0.15
GRAPHIC ARTS, GRADE 9-12	65	0.42	111	0.96	4	0.03	0.22
PHOTOGRAPHY	47	0.31	72	0.61	3	0.02	0.38
PRINTING/PHOTOLITHOGRAPHY	37	0.24	64	0.54	2	0.02	0.36
INDUSTRIAL ARTS MATHEMATICS/SCIENCE	36	0.24	56	0.47	3	0.03	0.55
INDUSTRIAL MATERIALS/TECHNOLOGY/PROCESSES	47	0.30	74	0.63	3	0.03	0.42
METALWORKING, GRADE 9-12, AND FOUNDRY	97	0.63	146	1.37	6	0.06	0.16
WELDING	59	0.38	63	0.54	2	0.02	0.37
AUTOMOTIVE MECHANICS	79	0.52	115	1.02	5	0.05	0.30
POWER/AUTOMOTIVE MECHANICS	78	0.51	113	1.00	6	0.06	0.28

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TABLE A1.-STANDARD ERRORS FOR TABLE 1 ESTIMATES

MATHEMATICS 1972

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
MATHEMATICS TOTAL	18	0.12	154	1.82	57	0.86	0.86
GENERAL MATH, N.E.C.	40	0.26	56	0.47	3	0.03	0.51
GENERAL MATH, GRADE 9-12, ELEM/ADV	81	0.53	156	1.71	17	0.23	0.30
PRE-ALGEBRA	26	0.17	43	0.36	3	0.02	1.17
ALGEBRA, ELEMENTARY	88	0.57	157	1.68	17	0.20	0.28
ALGEBRA, INTERMEDIATE	91	0.59	153	1.63	16	0.17	0.24
ALGEBRA/TRIGONOMETRY	102	0.66	154	1.54	13	0.13	0.22
APPLIED MATHEMATICS, BUSINESS/SHOP	62	0.41	88	0.76	6	0.05	0.47
CONSUMER MATHEMATICS	41	0.27	52	0.44	3	0.02	0.61
COMPUTER MATHEMATICS	66	0.43	123	1.07	3	0.03	0.13
GEOMETRY, PLANE/SOLID	71	0.46	157	1.76	19	0.22	0.25
MATH ANALYSIS/ELEMENTARY FUNCTIONS	86	0.56	125	1.13	5	0.04	0.15
PROBABILITY AND STATISTICS	52	0.34	84	0.72	2	0.01	0.15
TRIGONOMETRY	96	0.63	135	1.24	5	0.05	0.15
COLLEGE LEVEL MATHEMATICS	69	0.45	98	0.85	3	0.03	0.18
CALCULUS/ANALYTIC GEOMETRY	78	0.51	124	1.11	2	0.02	0.09

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TABLE A1.-STANDARD ERRORS FOR TABLE 1 ESTIMATES

MUSIC 1972

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
MUSIC TOTAL	67	0.44	157	1.80	24	0.38	0.42
GENERAL MUSIC	72	0.47	95	0.83	12	0.10	0.69
MUSIC APPRECIATION	83	0.55	128	1.15	8	0.07	0.23
THEORY & HARMONY/COMPOSITION	86	0.56	142	1.29	2	0.02	0.06
CHOIR, CHORUS, GLEE CLUB	83	0.54	160	1.78	11	0.16	0.19
INSTRUMENTAL MUSIC	78	0.51	125	1.11	5	0.05	0.22
BAND (MARCHING, CONCERT, STAGE)	78	0.51	158	1.77	7	0.13	0.15
ORCHESTRA	81	0.53	149	1.34	3	0.03	0.09
SMALL INSTRUMENTAL ENSEMBLES	72	0.47	108	0.94	2	0.02	0.14

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TABLE A1.-STANDARD ERRORS FOR TABLE 1 ESTIMATES

NATURAL SCIENCE 1972

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
NATURAL SCIENCE TOTAL	13	0.08	154	1.82	58	0.81	0.82
GENERAL SCIENCE, GRADES 9 TO 12	98	0.64	115	1.04	18	0.16	0.68
BIOLOGICAL SCIENCES, N.E.C.	41	0.27	63	0.53	5	0.04	0.73
ANATOMY/ANTHROPOLOGY/GENETICS	26	0.17	41	0.35	2	0.01	0.80
ECOLOGY/ENTOMOLOGY/CONSERVATION	57	0.37	87	0.74	4	0.04	0.41
PHYSIOLOGY/BIOPHYSICS	72	0.47	111	0.97	4	0.03	0.23
TECHNICAL APPLICATIONS/APPLIED BIOLOGY	47	0.31	74	0.63	5	0.04	0.66
ENVIRONMENTAL SCIENCE	51	0.34	74	0.63	5	0.04	0.60
ZOOLOGY	46	0.30	58	0.49	5	0.04	0.89
BOTANY	45	0.29	58	0.49	5	0.04	0.78
BIOLOGY I, COLLEGE LEVEL/MICROBIOLOGY	82	0.54	155	1.67	29	0.33	0.44
LIFE SCIENCE	71	0.46	85	0.74	9	0.08	0.83
PHYSICAL SCIENCE, 1ST/2ND YEAR	102	0.67	141	1.36	16	0.15	0.36
CHEMISTRY I/II/APPLIED/STUDY	66	0.43	157	1.80	14	0.16	0.17
CHEMISTRY AND PHYSICS, COLLEGE LEVEL	33	0.22	62	0.52	3	0.02	0.42
PHYSICS, 1ST/2ND YEAR	90	0.59	157	1.71	7	0.07	0.09
ELECTRICITY/ELECTRONICS/APPLIED PHYSICS	33	0.22	45	0.38	2	0 02	0.58
EARTH-SPACE SCIENCES/METEOROLOGY/ASTRONOMY	31	0.20	49	0.41	3	0.02	0.71
AERONAUTICS	35	0.23	56	0.47	1	0.01	0.29
EARTH SCIENCES	95	0.62	126	1.14	11	0.11	0.41
SPACE SCIENCE	33	0.21	48	0.40	3	0.03	0 86
GEOLOGY	38	0.25	58	0.49	2	0.02	0.48
OCEANOGRAPHY	35	0.23	62	0.52	3	0.02	0.53

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TABLE A1.-STANDARD ERRORS FOR TABLE 1 ESTIMATES

SOCIAL SCIENCE 1972

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
SOCIAL SCIENCE TOTAL	7	0.04	154	1.82	105	1.53	1.53
ANTHROPOLOGY/ARCHEOLOGY	57	0.37	97	0.83	4	0.03	0.33
ACCULTURATION/WORLD CULTURES	54	0.35	76	0.65	13	0.11	1.33
AREA STUDIES,N.E.C./OTHER SPECIFIED	23	0.15	35	0.30	6	0.05	2.93
AREA STUDIES AND HISTORY, AFRICAN	34	0.22	58	0.49	4	0.03	0.79
AREA STUDIES, ASIAN/ORIENTAL	35	0.23	58	0.49	5	0.04	0.84
AREA STUDIES, EUROPEAN	36	0.24	61	0.51	9	0.07	1.58
AREA STUDIES, ASIAN AND AFRICAN/MID EAST	37	0.24	54	0.46	8	0.07	1.63
AREA STUDIES AND HISTORY, RUSSIAN	38	0.25	61	0.51	3	0.03	0.53
AREA STUDIES, AMERICAN	49	0.32	69	0.59	17	0.15	2.12
AREA STUDIES AND HISTORY, LATIN AMERICAN	36	0.24	63	0.54	2	0.02	0.49
CONSERVATION	28	0.18	32	0.27	5	0.04	2.51
ENVIRONMENTAL EDUCATION	36	0.23	55	0.46	3	0.03	0.77
CONSUMER EDUCATION	46	0.30	53	0.45	3	0.03	0.81
ECONOMICS	100	0.65	143	1.35	13	0.12	0.29
CONSUMER ECONOMICS	59	0.39	71	0.61	5	0.04	0.57
ECONOMIC PROBLEMS/HISTORY	24	0.16	35	0.30	4	0.03	1.90
GEOGRAPHY, HUMAN AND CULTURAL	35	0.23	52	0.43	4	0.04	1.26
GEOGRAPHY, POLITICAL/ECONOMIC	46	0.30	53	0.45	3	0.03	0.70
GEOGRAPHY, PHYSICAL	40	0.26	48	0.40	3	0.03	1.10
GEOGRAPHY, REGIONAL	37	0.24	50	0.42	5	0.04	1.27
GEOGRAPHY, WORLD	97	0.64	124	1.14	11	0.10	0.38
HISTORY, N.E.C./COLLEGE LEVEL	45	0.29	79	0.67	4	0.04	0.48
HISTORY, AMERICAN AND WORLD BACKGROUNDS	86	0.56	98	0.86	23	0.21	1.29
HISTORY, LOCAL AND REGIONAL	27	0.18	33	0.27	3	0.03	1.53
HISTORY, MODERN EUROPEAN	56	0.37	89	0.77	10	0.08	0.74
HISTORY, STATE, GRADE 9-12	72	0.47	78	0.67	8	0.07	0.86
HISTORY, UNITED STATES, GRADE 9-12	89	0.58	152	1.61	36	0.41	0.62
AFRO-AMERICAN STUDIES/BLACK HISTORY	62	0.40	110	0.95	5	0.04	0.29
AMERICAN INDIAN PROBLEMS/HISTORY	34	0.23	39	0.33	5	0.04	1.62
WESTERN CIVILIZATION/HISTORY	89	0.58	151	1.59	30	0.30	0.44
NON-WESTERN CIVILIZATION/HISTORY	38	0.25	60	0.50	8	0.07	1.59
ORIENTAL HISTORY	34	0.22	51	0.43	2	0.02	0.48
ANCIENT/MEDIEVAL HISTORY	50	0.33	74	0.63	5	0.05	0.68
HUMANITIES AND PHILOSOPHY	43	0.28	72	0.61	4	0.03	0.45
AMERICAN GOVERNMENT	102	0.67	139	1.36	16	0.17	0.41
U.S. CONSTITUTION	39	0.26	47	0.40	5	0.04	1.57
PROBLEMS OF DEMOCRACY	85	0.55	101	0.89	11	0.10	0.59
STATE GOVERNMENT	27	0.17	30	0.25	5	0.04	2.95
COMMUNITY CIVICS	79	0.52	79	0.69	11	0.10	0.85
BASIC AMERICAN LAW	42	0.27	65	0.55	4	0.03	0.62
COMPARATIVE SYSTEMS	43	0.28	62	0.52	3	0.03	0.61

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TABLE A1.-STANDARD ERRORS FOR TABLE 1 ESTIMATES

SOCIAL SCIENCE 1972 (CONTINUED)

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
CURRENT EVENTS	85	0.56	113	1.0[illegible]	10	0.09	0.43
INTERNATIONAL RELATIONS	58	0.38	83	0.71	5	0.04	0.39
POLITICAL THEORY/POLITICAL SCIENCE	47	0.31	72	0.62	4	0.03	0.47
HUMAN RELATIONS	32	0.21	49	0.41	3	0.03	0.93
PSYCHOLOGY	102	0.67	146	1.41	12	0.12	0.28
SOCIOLOGY/SOCIAL ORGANIZATION	102	0.67	151	1.48	12	0.12	0.23
SOCIOLOGY, URBAN	25	0.16	48	0.41	2	0.02	0.80
SOCIAL PROBLEMS/CRIMINOLOGY	55	0.36	77	0.66	9	0.08	0.93
RACIAL AND MINORITY PROBLEMS	39	0.25	65	0.55	3	0.02	0.50
RELIGION, COMPARATIVE AND BIBLE HISTORY	40	0.26	62	0.53	3	0.03	0.52
SOCIAL STUDIES, GRADE 9-12	52	0.34	60	0.51	9	0.07	1.48
INTERGROUP (COMMUNITY) RELATIONS	44	0.29	71	0.60	4	0.04	0.59
CAREER EDUCATION/OCCUPATIONAL GUIDANCE	39	0.25	44	0.37	5	0.05	1.66

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TABLE A1.-STANDARD ERRORS FOR TABLE 1 ESTIMATES

TRADES AND INDUSTRY 1972

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
TRADES AND INDUSTRY TOTAL	88	0.58	122	1.10	21	0.18	0.65
TRADES AND INDUSTRY, N.E.C.	25	0.16	32	0.27	2	0.02	1.10
GRAPHIC ARTS	35	0.23	65	0.55	1	0.01	0.24
PRINTING/LITHOGRAPHY	28	0.19	47	0.40	4	0.03	0.91
TEXTILE/LEATHER PRODUCTION/FABRICATION	23	0.15	34	0.28	1	0.01	0.59
ELECTRICITY, 1ST YEAR	48	0.32	69	0.59	2	0.02	0.24
ELECTRICITY 2D/3D/4TH YEAR/ENGINE REPAIR	35	0.23	51	0.43	1	0.01	0.26
ELECTRONICS, 1ST YEAR	46	0.30	74	0.63	1	0.01	0.17
ELECTRONICS, 2D/3D/4TH YEAR	44	0.29	73	0.62	2	0.02	0.24
BODY AND FENDER MECHANICS, 1ST/2D YEAR	42	0.28	60	0.51	1	0.01	0.21
AUTOMOTIVE MECHANICS, 1ST/2D YEAR/DIESEL	68	0.44	97	0.84	3	0.03	0.21
AVIATION AND AIRCRAFT MECHANICS (AIRFRAME)	20	0.13	30	0.25	5	0.04	2.68
MASONRY	32	0.21	42	0.36	1	0.01	0.33
CONSTRUCTION-MAINTENANCE TRADES	34	0.22	48	0.40	2	0.02	0.55
CARPENTRY, 1ST/2D YEAR	50	0.33	63	0.54	2	0.02	0.25
WOODWORKING, 1ST YEAR	40	0.26	61	0.51	4	0.03	0.71
WOODWORKING, 2D/3D/4TH YEAR/CABINETMAKING	40	0.26	56	0.48	1	0.01	0.33
DRAFTING/MECHANICAL DRAWING, 1ST/2D YEAR	30	0.19	52	0.44	2	0.01	0.48
MACHINE SHOP	52	0.34	83	0.71	5	0.04	0.36
SHEET METAL, 1ST/2D YEAR	27	0.18	41	0.34	1	0.01	0.48
METALWORKING, 1ST/2D/3D YEAR AND FOUNDRY	22	0.14	46	0.39	3	0.02	1.02
WELDING AND CUTTING, 1ST/2D YEAR	48	0.31	60	0.51	1	0.01	0.21
COSMETOLOGY, 1ST/2D/3D YEAR AND BARBERING	45	0.30	68	0.58	3	0.02	0.31
COOK-CHEF	32	0.21	43	0.36	1	0.01	0.30
VOCATIONAL GROUP GUIDANCE/EXPLORATORY	24	0.16	35	0.29	1	0.01	0.70

TABLE A1.-STANDARD ERRORS FOR TABLE 1 ESTIMATES

SAFETY AND DRIVER EDUCATION 1972

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
SAFETY AND DRIVER EDUCATION TOTAL	87	0.57	149	1.60	34	0.45	0.68
DRIVER EDUCATION, CLASSROOM INSTRUCTION	90	0.59	149	1.58	19	0.24	0.38
PRACTICE DRIVING, INCLUDING SIMULATION	94	0.62	145	1.51	17	0.21	0.36
SAFETY, ALL GRADES	37	0.24	42	0.36	5	0.04	2.33
CIVIL DEFENSE	23	0.15	18	0.15	7	0.06	7.88

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TABLE A1.-STANDARD ERRORS FOR TABLE 1 ESTIMATES

	R.O.T.C. 1972						
	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
R.O.T.C. TOTAL	54	0.35	91	0.78	6	0.06	0.6
JR. R.O.T.C., NAVAL SCIENCE	54	0.35	91	0.78	6	0.06	0.6

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TABLE A2.-STANDARD ERRORS FOR TABLE 2 ESTIMATES[a]

AGRICULTURE 1982

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
AGRICULTURE TOTAL	440	2.81	567	5.17	22	0.21	0.58
AGRICULTURE, 1ST YEAR	255	1.63	240	1.94	4	0.03	0.60
AGRICULTURE, 2ND YEAR	156	1.00	156	1.24	3	0.02	1.30
AGRICULTURE 3RD/4TH YEAR	242	1.54	257	2.07	4	0.03	0.61
AGRICULTURE MANAGEMENT/PRODUCTION/SUPPLIES	415	2.65	463	3.99	14	0.14	0.66
AGRICULTURE MECHANICS/CONSTRUCTION	182	1.16	157	1.25	3	0.02	1.14
ORNAMENTAL HORTICULTURE, LANDSCAPING	373	2.38	539	4.58	10	0.09	0.33
AGRICULTURE RESOURCE/CONSERVATION/FORESTRY	209	1.33	251	2.01	4	0.03	0.67

[a] Standard errors of less than 500 or less than five-hundredths of one percent are rounded to zero.

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TABLE A2.-STANDARD ERRORS FOR TABLE 2 ESTIMATES

ART 1982

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
ART TOTAL	269	1.72	618	6.71	56	1.23	1.26
ART I	368	2.35	622	6.31	22	0.43	0.62
ART II	440	2.81	584	5.30	13	0.14	0.37
ART III/IV AND ART STUDIO	400	2.55	519	4.45	8	0.08	0.31
ART APPRECIATION/HISTORY	299	1.91	464	3.81	7	0.06	0.47
DESIGN, COMMERCIAL/INDUSTRIAL	438	2.80	662	6.29	17	0.19	0.33
GRAPHICS	415	2.65	615	5.42	14	0.15	0.46
CRAFTS	319	2.03	476	3.94	7	0.06	0.46
JEWELRY AND METALWORK	262	1.67	459	3.74	6	0.06	0.58
POTTERY AND CERAMICS	399	2.55	596	5.16	14	0.15	0.56
PAINTING/DRAWING/DESIGN	423	2.70	618	5.45	18	0.20	0.60
PHOTOGRAPHY/FILMMAKING	307	1.96	505	4.16	8	0.07	0.52
SCULPTURE	342	2.18	491	4.09	6	0.05	0.30

TABLE A2.-STANDARD ERRORS FOR TABLE 2 ESTIMATES

BUSINESS 1982

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
BUSINESS TOTAL	79	0.5	598	6.66	72	2.27	2.31
EXPLORATORY/GENERAL BUSINESS	410	2.62	593	5.72	18	0.28	0.54
ACCOUNTING	399	2.55	634	6.33	19	0.26	0.40
BOOKKEEPING I	420	2.68	433	3.69	10	0.11	0.69
BOOKKEEPING II/III/IV	275	1.75	347	2.8[illegible]	3	0.03	0.36
RECORDKEEPING	391	2.50	552	4.71	10	0.10	0.46
BUSINESS COMMUNICATION	403	2.57	556	4.[illegible]1	9	0.09	0.35
BUSINESS LAW	440	2.81	628	5.73	11	0.12	0.29
BUSINESS MACHINES, 1ST/2D YEAR	395	2.52	545	4.67	9	0.09	0.41
CLERICAL PRACTICE/OFFICE WORK	142	0.91	206	1.64	3	0.02	1.26
COMPUTER OPERATION/KEY PUNCH	284	1.81	449	3.67	5	0.04	0.37
ECONOMICS/FINANCE/MANAGEMENT	349	2.23	545	4.58	8	0.07	0.38
MARKETING AND DISTRIBUTION	432	2.76	640	5.77	17	0.18	0.42
RETAILING/WHOLESALING	343	2.19	475	3.96	11	0.09	0.54
SALESMANSHIP	257	1.64	360	2.91	4	0.03	0.41
SHORTHAND FOR PERSONAL USE	261	1.67	443	3.60	4	0.04	0.38
SHORTHAND, 1ST YEAR	367	2.34	621	6.44	12	0.14	0.18
SHORTHAND, 2D YEAR/ADVANCED	437	2.79	633	5.79	7	0.06	0.11
SECRETARIAL PRACTICES	325	2.07	436	3.59	5	0.04	0.28
TYPEWRITING FOR PERSONAL USE	399	2.55	529	4.55	13	0.16	0.86
TYPEWRITING, 1ST YEAR	213	1.36	605	6.56	23	0.70	0.77
TYPEWRITING, 2D/3D/4TH YEAR	388	2.48	629	6.33	17	0.24	0.34

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TABLE A2.-STANDARD ERRORS FOR TABLE 2 ESTIMATES

ENGLISH LANGUAGE ARTS 1982

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
ENGLISH LANGUAGE ARTS TOTAL	32	0.21	599	6.68	95	6.87	6.72
ENGLISH, N.E.C.	394	2.51	570	4.85	16	0.17	0.84
ENGLISH, GRADES 9 TO 12	146	0.93	601	6.58	53	3.46	3.73
READING, DEVELOPMENTAL	440	2.81	655	6.13	28	0.45	0.94
SPELLING	91	0.58	112	0 88	4	0.03	8.08
LINGUISTICS	123	0.79	201	1.59	3	0.03	2.50
GRAMMER/VOCABULARY/SEMANTICS	384	2.45	539	4.57	23	0.28	1.69
SPECIFIC LITERATURE/N.E.C	282	1.80	384	3.13	12	0.12	1.67
LITERATURE, AMERICAN	415	2.65	566	4.92	21	0.33	1.49
LITERATURE, BIBLE/RELIGIOUS	235	1.50	359	2.89	5	0.04	0.69
LITERATURE, ENGLISH	382	2.44	536	4 55	14	0.16	0.83
LITERATURE, EASTERN/WESTERN/WORLD	401	2.56	551	4.72	13	0.15	0.69
LITERATURE, BLACK AND OTHER ETHNIC	248	1.58	369	2.98	5	0.04	0.62
LITERATURE, 20TH CENTURY	294	1.88	421	3.44	9	0.09	1.16
SHORT STORY	331	2.11	417	3.44	10	0.10	1.14
FICTION AND FANTASY/SCIENCE FICTION	325	2.08	470	3.88	10	0.10	1.02
POETRY	256	1.63	361	2.92	4	0.04	0.56
THE NOVEL	292	1.87	367	2.99	7	0.06	0.83
HORROR/SUSPENSE/MYSTERY	223	1.42	305	2.45	6	0.06	1.61
LITERATURE FOR ADOLESCENTS/ATHLETES	285	1.82	388	3.15	9	0.09	1.43
MYTH AND LEGEND	263	1.68	343	2.78	6	0.05	0.99
HUMANITIES	394	2.52	541	4.61	10	0.10	0.48
PROBLEM SOLVING THRU LITERATURE	221	1.41	320	2.57	6	0.06	1.47
COMPOSITION	436	2.78	606	5.41	28	0.48	1.61
JOURNALISM/SCHOOL PUBLICATIONS	386	2.46	643	6.44	18	0.21	0.29
CREATIVE WRITING	416	2.65	603	5.24	11	0.12	0.42
ARGUMENTATION AND DEBATE	384	2.45	581	4.96	8	0.07	0.29
COMMUNICATION THEORY/SPEECH/DICTION	426	2.72	638	6.13	19	0.30	0.54
SPEECH AND PUBLIC SPEAKING I & II	121	0.77	153	1 22	1	0.01	0.92
SPEECH THROUGH MASS MEDIA	385	2.45	534	4.53	10	0.11	0.59
RADIO/TV AND FILM	409	2.61	621	5.37	14	0.15	0.57
INTRODUCTION TO THEATRE/DRAMA	398	2.54	532	4.53	9	0.09	0.42
ACTING/PLAY PRODUCTION	422	2.70	645	5.73	15	0.15	0.41
DRAMATIC LITERATURE/SHAKESPEARE	261	1.66	416	3.38	5	0.05	0.54
LIBRARY AND MEDIA PRACTICES	423	2.70	526	4.54	11	0.12	0.50
EDUCATION (TEACHER TRAINING)	372	2.38	530	4.49	9	0.08	0.40

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TABLE A2.-STANDARD ERRORS FOR TABLE 2 ESTIMATES

FOREIGN LANGUAGES 1982

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
FOREIGN LANGUAGES TOTAL	320	2.04	622	6.65	50	1.17	1.25
GREEK/CLASSICAL LANGUAGES	75	0.48	107	0.85	1	0.01	2.10
LATIN, 1ST YEAR	361	2.30	562	4.76	7	0.06	0.26
LATIN, 2D YEAR	355	2.26	538	4.53	4	0.04	0.15
LATIN, 3D YEAR	297	1.89	465	3.83	3	0.02	0.12
LATIN, 4TH/5TH 6TH/COLLEGE LEVEL	245	1.57	381	3.09	2	0.01	0.11
CHINESE, 1ST/2D/3D/4TH YEAR	74	0.47	139	1.10	2	0.02	2.50
ENGLISH AS A FOREIGN LANGUAGE	273	1.74	488	3.99	9	0.07	0.42
FRENCH, 1ST YEAR	431	2.75	662	6.49	14	0.19	0.29
FRENCH, 2D YEAR	438	2.79	661	6.38	11	0.13	0.21
FRENCH, 3D YEAR	436	2.78	664	6.08	8	0.07	0.15
FRENCH, 4TH/5TH/6TH YEAR/COLLEGE LEVEL	413	2.63	641	5.65	7	0.06	0.14
GERMAN, 1ST YEAR	387	2.47	627	5.40	8	0.08	0.26
GERMAN, 2D YEAR	383	2.44	619	5.32	6	0.06	0.20
GERMAN, 3D YEAR	367	2.34	590	5.02	5	0.04	0.14
GERMAN, 4TH/5TH/6TH YEAR/COLLEGE LEVEL	328	2.10	542	4.53	3	0.03	0.11
HEBREW, MODERN AND CLASSICAL	87	0.56	179	1.41	3	0.02	1.84
ITALIAN, 1ST YEAR	162	1.03	313	2.50	3	0.03	0.75
ITALIAN, 2D/3D/4TH/5TH YEAR	161	1.03	308	2.46	5	0.04	1.11
JAPANESE, 1ST YEAR	55	0.35	106	0.84	2	0.01	4.78
JAPANESE, 2D/3D/4TH/5TH YEAR	70	0.44	125	0.99	2	0.02	2.56
PORTUGUESE, 1ST/2D/3D/4TH YEAR	69	0.44	135	1.07	2	0.01	2.08
RUSSIAN, 1ST YEAR	142	0.91	239	1.90	1	0.01	0.24
RUSSIAN, 2D YEAR	123	0.79	205	1.63	1	0.01	0.21
RUSSIAN, 3D/4TH/5TH YEAR/COLLEGE LEVEL	100	0.64	189	1.50	1	0.01	0.27
SPANISH FOR NATIVE SPEAKING	167	1.07	313	2.50	4	0.03	0.69
SPANISH, 1ST YEAR	407	2.60	654	6.54	19	0.35	0.50
SPANISH, 2D YEAR	420	2.68	653	6.46	15	0.21	0.31
SPANISH, 3D YEAR	440	2.81	670	6.27	9	0.10	0.18
SPANISH, 4TH/5TH/6TH YEAR/COLLEGE LEVEL	423	2.70	657	5.86	8	0.07	0.16
SWAHILI, 1ST/2D/3D YEAR	20	0.13	45	0.36	1	0.01	11.09
GENERAL FOREIGN LANGUAGE	132	0.84	221	1.76	1	0.01	0.26
SPECIFIC FOREIGN LANGUAGES, OTHER	141	0.90	225	1.79	2	0.02	0.60

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TABLE A2.-STANDARD ERRORS FOR TABLE 2 ESTIMATES

HEALTH AND PHYSICAL EDUCATION 1982

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
HEALTH AND PHYSICAL EDUCATION TOTAL	139	0.89	602	6.69	79	4.48	4.51
HEALTH, GRADES 9 TO 12	416	2.65	615	5.33	31	0.90	1.75
HEALTH, PERSONAL AND FAMILY/SEX ED	164	1.05	237	1.89	4	0.04	2.24
FIRST AID	204	1.30	273	2.19	6	0.05	1.82
ALCOHOL, DRUGS, AND TOBACCO	99	0.63	163	1.29	4	0.03	4.15
HEALTH AND PHYSICAL EDUCATION, GRADE 9	297	1.90	604	5.27	22	1.12	1.51
HEALTH AND PHYSICAL EDUCATION, GRADE 10	433	2.76	612	5.80	25	0.87	1.90
HEALTH AND PHYSICAL EDUCATION, GRADE 11	440	2.81	583	5.30	23	0.53	1.60
HEALTH AND PHYSICAL EDUCATION, GRADE 12	434	2.77	569	5.07	20	0.39	1.42
HEALTH AND SAFETY	194	1.24	311	2.49	7	0.06	1.76
PHYSICAL EDUCATION, ADAPTED	262	1.67	454	3.69	6	0.05	0.40
BODY DYNAMICS/CONDITIONING/POSTURE	377	2.41	516	4.33	20	0.22	1.47
DANCE, RHYTHMS, AND DRAMATIC EVENTS	241	1.54	412	3.33	7	0.06	0.79
MODERN DANCE/GYMNASTICS	196	1.25	348	2.78	7	0.06	1.38
INDIVIDUAL AND DUAL SPORTS/AQUATICS	339	2.16	518	4.31	20	0.21	1.61
TEAM SPORTS	350	2.24	526	4.40	31	0.35	2.52
RECREATION/LIFETIME SPORTS/HOBBIES	222	1.42	328	2.64	8	0.07	1.36
LEADERSHIP/SCHOOL SUPPORT	369	2.35	557	4.71	13	0.13	0.61

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TABLE A2.-STANDARD ERRORS FOR TABLE 2 ESTIMATES

HOME ECONOMICS 1982

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
HOME ECONOMICS TOTAL	171	1.09	601	6.61	54	1.21	1.25
HOME ECONOMICS, N.E.C.	323	2.06	417	3.42	6	0.05	0.45
HOME ECONOMICS, 1ST YEAR	422	2.70	512	4.75	17	0.25	0.68
HOME ECONOMICS, 2D YEAR	435	2.77	391	3.40	9	0.09	0.50
HOME ECONOMICS 3D/4TH YEAR	378	2.41	320	2.65	7	0.06	0.64
CHILD DEVELOPMENT	423	2.70	596	5.27	12	0.13	0.42
CLOTHING AND TEXTILES, 1ST YEAR	440	2.81	633	5.81	12	0.14	0.31
CLOTHING AND TEXTILES, 2ND YEAR	406	2.59	568	4.91	6	0.06	0.18
CLOTHING AND TEXTILES, 3D/4TH YEAR	383	2.45	524	4.44	5	0.04	0.18
CONSUMER EDUCATION	429	2.74	538	4.71	12	0.14	0.56
FAMILY RELATIONS	440	2.81	599	5.47	15	0.19	0.48
NUTRITION	120	0.77	199	1.58	2	0.02	1.13
FOODS, 1ST/2ND YEAR	438	2.80	623	5.89	19	0.28	0.55
FOODS, 3D/4TH YEAR	381	2.43	541	4.60	8	0.08	0.36
HOME MANAGEMENT	297	1.90	367	2.98	4	0.03	0.40
HOUSING AND HOME FURNISHINGS	420	2.68	500	4.31	6	0.05	0.21
HEALTH AND HOME NURSING	147	0.94	199	1.59	3	0.02	1.09

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TABLE A2.-STANDARD ERRORS FOR TABLE 2 ESTIMATES

INDUSTRIAL ARTS 1982

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
INDUSTRIAL ARTS TOTAL	256	1.64	612	6.66	84	1.22	1.25
GENERAL INDUSTRIAL ARTS, 1ST YEAR	432	2.76	515	4.48	16	0.20	0.92
GENERAL INDUSTRIAL ARTS, 2D YEAR	316	2.02	294	2.40	6	0.05	0.70
GENERAL INDUSTRIAL ARTS, 3D/4TH YEAR	389	2.49	520	4.41	9	0.08	0.39
HOME MECHANICS	402	2.57	508	4.35	9	0.08	0.35
BUILDING AND CONSTRUCTION	219	1.40	273	2.19	4	0.03	0.74
CARPENTRY/WOODWORKING	403	2.57	643	6.35	27	0.37	0.55
LEATHER/TEXTILES/UPHOLSTERY	224	1.43	247	1.98	5	0.04	1.36
PLASTICS	188	1.20	265	2.12	5	0.04	1.38
DRAFTING/DRAWING, SPECIALIZED DRAWING	278	1.78	456	3.73	5	0.04	0.28
ELECTRICITY/ELECTRONICS	439	2.80	632	5.75	15	0.16	0.35
INDUSTRIAL MATERIALS/TECHNOLOGY/PROCESSES	184	1.17	270	1.84	4	0.03	1.06
METALWORKING, GRADE 9-12/FOUNDRY	434	2.77	619	5.59	16	0.18	0.44
WELDING	410	2.62	506	4.33	10	0.09	0.37
AUTOMOTIVE MECHANICS	440	2.81	633	5.77	18	0.19	0.41
POWER/AUTOMOTIVE MECHANICS	414	2.65	540	4.66	13	0.14	0.56

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TABLE A2.-STANDARD ERRORS FOR TABLE 2 ESTIMATES

MATHEMATICS IS .

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
MATHEMATICS TOTAL	41	0.26	598	6.67	52	3.71	3.72
GENERAL MATH, N.E.C.	319	2.04	483	3.99	11	0.11	0.93
GENERAL MATH, GRADE 9-12, ELEM/ADV	251	1.61	610	6.56	42	1.02	1.14
PRE-ALGEBRA	398	2.54	562	4.84	17	0.25	1.22
ALGEBRA, ELEMENTARY	184	1.17	596	6.46	28	0.89	0.99
ALGEBRA, INTERMEDIATE	310	1.98	597	6.26	20	0.37	0.47
ALGEBRA, ADV./TRIGONOMETRY	380	2.42	534	4.53	13	0.14	0.75
APPLIED MATHEMATICS, BUSINESS/SHOP	440	2.81	589	5.42	16	0.21	0.53
CONSUMER MATHEMATICS	430	2.75	576	5.08	14	0.17	0.59
COMPUTER MATHEMATICS	390	2.49	552	4.68	9	0.08	0.40
GEOMETRY, PLANE/SOLID	207	1.32	602	6.60	24	0.57	0.61
MATH ANALYSIS/ELEMENTARY FUNCTIONS	402	2.56	553	4.76	8	0.08	0.35
PROBABILITY AND STATISTICS	285	1.82	415	3.38	4	0.03	0.33
TRIGONOMETRY	432	2.76	574	5.06	10	0.11	0.36
COLLEGE LEVEL MATHEMATICS	429	2.74	552	4.83	12	0.13	0.47
CALCULUS/ANALYTIC GEOMETRY	416	2.65	647	5.73	10	0.09	0.24

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TABLE A2.-STANDARD ERRORS FOR TABLE 2 ESTIMATES

MUSIC 1982

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
MUSIC TOTAL	225	1.44	611	6.67	65	1.14	1.18
GENERAL MUSIC	271	1.73	379	3.07	6	0.05	0.85
MUSIC APPRECIATION	383	2.44	483	4.05	8	0.07	0.43
THEORY & HARMONY/COMPOSITION	419	2.67	602	5.27	7	0.06	0.17
CHOIR, CHORUS, GLEE CLUB	360	2.30	636	6.53	37	0.49	0.63
INSTRUMENTAL MUSIC	419	2.67	652	5.76	13	0.13	0.32
BAND (MARCHING/CONCERT/STAGE)	300	1.91	613	6.51	40	0.52	0.61
ORCHESTRA	341	2.18	557	4.67	11	0.09	0.36
SMALL INSTRUMENTAL ENSEMBLES	292	1.86	478	3.91	7	0.06	0.37

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TABLE A2.-STANDARD ERRORS FOR TABLE 2 ESTIMATES

NATURAL SCIENCE 1982

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
NATURAL SCIENCE TOTAL	45	0.29	599	6.68	55	3.13	3.13
GENERAL SCIENCE, GRADES 9 TO 12	418	2.67	623	5.99	31	0.73	1.41
BIOLOGICAL SCIENCES, N.E.C.	233	1.49	367	2.96	6	0.05	0.78
ANATOMY/ANTHROPOLOGY/GENETICS	242	1.55	301	2.43	4	0.04	0.72
ECOLOGY/ENTOMOLOGY/CONSERVATION	290	1.85	399	3.26	7	0.06	0.71
PHYSIOLOGY/BIOPHYSICS	397	2.53	545	4.65	9	0.09	0.43
TECHNICAL APPLICATIONS/APPLIED BIOLOGY	150	0.96	211	1.68	4	0.03	2.10
ZOOLOGY	244	1.56	309	2.49	5	0.04	0.90
BOTANY	250	1.59	334	2.70	6	0.05	0.98
BIOLOGY/MICROBIOLOGY	130	0.83	601	6.64	26	1.10	1.13
LIFE SCIENCE	73	0.47	106	0.84	1	0.01	1.09
PHYSICAL SCIENCE, 1ST/2ND YEAR	438	2.79	589	5.39	22	0.44	1.23
CHEMISTRY I/II/APPLIED/STUDY	272	1.73	616	6.67	21	0.40	0.44
CHEMISTRY AND PHYSICS, COLLEGE LEVEL	431	2.75	640	6.10	12	0.14	0.26
PHYSICS, 1ST/2ND YEAR	422	2.69	567	4.95	8	0.08	0.28
ELECTRICITY/ELECTRONICS/APPLIED PHYSICS	132	0.84	187	1.49	2	0.02	1.41
EARTH-SPACE SCIENCES/ASTRONOMY	419	2.68	580	5.04	16	0.22	0.93
AERONAUTICS	124	0.79	225	1.79	2	0.02	0.74
EARTH SCIENCES	144	0.92	220	1.75	4	0.03	1.84
SPACE SCIENCE	118	0.75	150	1.19	3	0.03	5.02
GEOLOGY	238	1.52	379	3.06	6	0.05	0.89
OCEANOGRAPHY	182	1.16	302	2.41	4	0.04	1.12

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TABLE A2.-STANDARD ERRORS FOR TABLE 2 ESTIMATES

SOCIAL SCIENCE 1982

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
SOCIAL SCIENCE TOTAL	32	0.21	599	6.68	84	5.65	5.66
ANTHROPOLOGY/ARCHEOLOGY	283	1.81	427	3.49	7	0.06	0.72
ACCULTURATION/WORLD CULTURES	284	1.81	357	2.92	13	0.16	3.03
AREA STUDIES,N.E.C./OTHER SPECIFIED	248	1.58	365	2.96	6	0.06	0.95
AREA STUDIES AND HISTORY, AFRICAN	211	1.35	298	2.31	6	0.05	1.79
AREA STUDIES, ASIAN/ORIENTAL	156	1.00	250	2.00	4	0.03	1.11
AREA STUDIES, EUROPEAN	184	1.17	223	1.78	8	0.08	5.11
AREA STUDIES, ASIAN AND AFRICAN/MID EAST	156	1.00	207	1.65	6	0.06	5.62
AREA STUDIES AND HISTORY, RUSSIAN	166	1.06	256	2.04	3	0.03	1.08
AREA STUDIES, AMERICAN	301	1.92	403	3.30	17	0.19	2.85
AREA STUDIES AND HISTORY, LATIN AMERICAN	90	0.57	137	1.09	2	0.02	2.01
CONSERVATION	204	1.30	262	2.11	4	0.04	0.87
ENVIRONMENTAL EDUCATION	310	1.98	444	3.66	7	0.06	0.61
ECONOMICS	431	2.75	586	5.22	16	0.25	0.86
CONSUMER ECONOMICS	350	2.23	458	3.80	11	0.12	1.12
ECONOMIC PROBLEMS/HISTORY	288	1.84	371	3.01	9	0.09	1.75
GEOGRAPHY, HUMAN AND CULTURAL	207	1.32	210	1.67	4	0.04	2.00
GEOGRAPHY, POLITICAL/ECONOMIC	437	2.79	556	4.93	17	0.25	0.88
GEOGRAPHY, PHYSICAL	161	1.03	216	1.72	4	0.04	2.65
GEOGRAPHY, REGIONAL	177	1.13	232	1.85	5	0.04	2.26
HISTORY, N.E.C./COLLEGE LEVEL	274	1.75	382	3.10	11	0.11	1.80
HISTORY, AMERICAN AND WORLD BACKGROUNDS	422	2.70	600	5.63	26	0.67	1.55
HISTORY, MODERN EUROPEAN	162	1.03	244	1.95	4	0.04	2.28
HISTORY, STATE, GRADE 9-12	395	2.52	458	3.85	15	0.19	1.60
HISTORY, UNITED STATES, GRADE 9-12	439	2.80	607	5.50	31	0.70	2.13
AFRO-AMERICAN STUDIES/BLACK HISTORY	195	1.25	353	2.83	4	0.03	0.59
AMERICAN INDIAN PROBLEMS/HISTORY	101	0.64	176	1.39	3	0.02	1.86
WESTERN CIVILIZATION/HISTORY	401	2.56	631	6.21	26	0.59	0.97
NON-WESTERN CIVILIZATION/HISTORY	111	0.71	159	1.26	4	0.03	5.40
ORIENTAL HISTORY	117	0.74	159	1.26	3	0.02	2.18
ANCIENT/MEDIEVAL HISTORY	208	1.33	295	2.37	7	0.06	1.82
HUMANITIES AND PHILOSOPHY	259	1.65	366	2.96	5	0.04	0.66
AMERICAN GOVERNMENT	419	2.68	597	5.66	23	0.55	1.20
U.S. CONSTITUTION	139	0.89	177	1.41	5	0.04	4.36
PROBLEMS OF DEMOCRACY	175	1.11	227	1.81	4	0.04	1.88
STATE GOVERNMENT	176	1.13	222	1.77	7	0.06	2.82
COMMUNITY CIVICS	433	2.76	499	4.34	19	0.30	1.53
BASIC AMERICAN LAW	356	2.27	526	4.39	11	0.13	0.90
COMPARATIVE SYSTEMS	169	1.08	239	1.91	5	0.04	1.91
CURRENT EVENTS	352	2.25	388	3.21	9	0.09	0.91
INTERNATIONAL RELATIONS	220	1.40	330	2.66	5	0.04	0.97
POLITICAL THEORY/POLITICAL SCIENCE	183	1.17	284	2.28	5	0.04	1.18

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SOCIAL SCIENCE 1982 (CONTINUED)

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
HUMAN RELATIONS	206	1.31	264	2.11	5	0.04	1.37
PSYCHOLOGY	434	2.77	633	5.95	17	0.28	0.60
SOCIOLOGY/SOCIAL ORGANIZATION	342	2.18	611	6.38	30	0.64	0.82
SOCIOLOGY, URBAN	159	1.02	280	2.23	4	0.04	1.76
SOCIAL PROBLEMS/CRIMINOLOGY	303	1.93	347	2.82	7	0.06	1.11
RACIAL AND MINORITY PROBLEMS	282	1.80	419	3.42	7	0.06	0.63
RELIGION, COMPARATIVE AND BIBLE HISTORY	211	1.34	281	2.26	7	0.06	1.40
INTERGROUP (COMMUNITY) RELATIONS	249	1.59	375	3.04	6	0.05	0.74
CAREER EDUCATION/OCCUPATIONAL GUIDANCE	429	2.74	645	6.19	33	0.46	0.81

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TABLE A2.-STANDARD ERRORS FOR TABLE 2 ESTIMATES

TRADES AND INDUSTRY 1982

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
TRADES AND INDUSTRY TOTAL	210	1.34	611	6.68	38	0.76	0.80
TRADES AND INDUSTRY, N.E.C.	269	1.72	417	3.40	6	0.05	0.55
GRAPHIC ARTS	155	0.99	262	2.09	2	0.02	0.52
TEXTILE/LEATHER PRODUCTION/FABRICATION	267	1.71	392	3.18	4	0.03	0.29
ELECTRICITY, 1ST YEAR	157	1.00	230	1.83	2	0.01	0.35
ELECTRICITY 2D/3D/4TH YR/ENGINE REPAIR	198	1.26	248	1.98	3	0.02	0.47
ELECTRONICS, 2D/3D/4TH YEAR	154	0.98	225	1.79	2	0.01	0.32
BODY AND FENDER MECHANICS, 1ST/2D YEAR	338	2.16	475	3.96	8	0.07	0.33
AUTOMOTIVE MECHANICS, 1ST/2D YEAR/DIESEL	283	1.81	443	3.62	6	0.05	0.43
AVIATION AND AIRCRAFT MECHANICS (AIRFRAME)	171	1.09	283	2.26	3	0.02	0.52
MASONRY	259	1.65	357	2.90	5	0.04	0.40
CONSTRUCTION-MAINTENANCE TRADES	359	2.29	505	4.24	8	0.07	0.28
WOODWORKING, 2D/3D/4TH YR/CABINETMAKING	179	1.14	250	1.99	3	0.02	0.65
DRAFTING/MECHANICAL DRAWING, 1ST/2D YEAR	413	2.63	645	6.40	18	0.23	0.33
MACHINE SHOP	336	2.14	494	4.12	10	0.08	0.46
SHEET METAL, 1ST/2D YEAR	25	0.16	63	0.50	2	0.01	12.80
METALWORKING, 1ST/2D/3D YEAR/FOUNDRY	74	0.47	138	1.09	3	0.02	2.32
COSMETOLOGY, 1ST/2D/3D YEAR AND BARBERING	342	2.18	496	4.14	9	0.08	0.35
COOK-CHEF	381	2.43	538	4.58	8	0.07	0.29
VOCATIONAL GROUP GUIDANCE/EXPLORATORY	279	1.78	614	6.69	27	0.37	0.44

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TABLE A2.-STANDARD ERRORS FOR TABLE 2 ESTIMATES

SAFETY AND DRIVER EDUCATION 1982

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
SAFETY AND DRIVER ED. TOTAL	406	2.59	589	5.71	25	0.78	1.55
DRIVER EDUCATION, CLASSROOM	413	2.64	575	5.52	22	0.65	1.40
PRACTICE DRIVING, SIMULATION	259	1.65	335	2.71	11	0.14	3.88
SAFETY, ALL GRADES	120	0.76	157	1.24	5	0.05	12.41
CIVIL DEFENSE	56	0.36	103	0.81	1	0.01	2.75

TABLE A2.-STANDARD ERRORS FOR TABLE 2 ESTIMATES

R.O.T.C. 1982

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
R.O.T.C. TOTAL	278	1.77	458	3.75	14	0.13	1.23
JR. R.O.T.C., NAVAL SCIENCE	278	1.77	458	3.75	14	0.13	1.23

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TABLE A2.-STANDARD ERRORS FOR TABLE 2 ESTIMATES

COMPUTER SCIENCE 1982

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
COMPUTER SCIENCE TOTAL	439	2.8	639	5.82	15	0.17	0.41
COMPUTER AND INFORMATION SCIENCES	254	1.62	361	2.93	6	0.05	0.73
COMPUTER PROGRAMMING	395	2.52	528	4.48	9	0.09	0.45
DATA PROCESSING	380	2.42	564	4.80	10	0.09	0.39
INFORMATION SCIENCES AND SYSTEMS	40	0.26	69	0.54	2	0.02	14.39

TABLE A2.-STANDARD ERRORS FOR TABLE 2 ESTIMATES

ALLIED HEALTH 1982

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
ALLIED HEALTH TOTAL	356	2.27	527	4.40	8	0.07	0.35
DENTAL ASSISTANT/TECHNOLOGY	202	1.29	283	2.27	2	0.02	0.27
LABORATORY/CHEMICAL TECHNOLOGY	183	1.17	278	2.23	4	0.03	1.00
HOME HEALTH AIDE/COMMUNITY HEALTH	85	0.54	159	1.26	2	0.01	1.30
HEALTH OCCUPATIONS	182	1.16	314	2.51	4	0.03	0.70
NURSING	283	1.81	407	3.32	4	0.03	0.26
OPHTHALMIC/REHABILITATION SERVICES	50	0.32	67	0.53	0	0.00	0.52

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TABLE A2.-STANDARD ERRORS FOR TABLE 2 ESTIMATES

MISC. 1982

	NUMBER OF SCHOOLS	AS % OF U.S. TOTAL	H.S. ENROLLMENT WHERE OFFERED (THOUSANDS)	AS % OF U.S. TOTAL	TOTAL U.S. ENROLLMENT (THOUSANDS)	AS % OF U.S. TOTAL ENROLLMENT	AS % OF ENROLLMENT WHERE OFFERED
MISC. TOTAL	244	1.56	381	3.08	5	0.04	0.52
ARCHITECTURE AND ENVIRONMENTAL DESIGN	118	0.76	189	1.50	2	0.02	1.10
INSTITUTIONAL/HOME MANAGEMENT SERVICES	105	0.67	145	1.15	2	0.01	0.91
PARKS AND RECREATION	49	0.31	109	0.86	1	0.01	3.25
MUSEOLOGY	36	0.23	43	0.34	0	0.00	0.59
ENGINEERING	192	1.22	311	2.49	4	0.03	0.67

G: AGGREGATION OF COURSES AND PROGRAMS, 1972-1973*

* All courses indicating grade 7 or grade 8 were deleted. Courses for which no comparable equivalent were offered in 1981-82 were merged or excluded from Table 1.

English Language Arts

English, NEC
- General English
- Advanced English
- Penmanship

Grade 7 English
Grade 8 English
Grade 9 English
Grade 10 English
Grade 11 English
Grade 12 English
Advanced English/Seminar/Workshop
- Seminar
- Advanced Seminar
- Workshop
- College Preparatory

Practical English
Remedial English
Independent Study–English
College Level/Advanced Placement
English Fundamentals
Basic General Reading
- General Reading
- Beginning Reading
- Oral Reading
- Basal Reading

Developmental Reading
- Individual Reading
- Independent Study–Reading
- Advanced–Reading

Remedial Reading
- ITA

Spelling
Linguistics
- Independent Study–Linguistics
- Phonology
- Phonemics
- Phonetics

Grammar Vocabulary Semantics
- Vocabulary
- Dictionary Skills
- Punctuation
- Structural Grammar
- Traditional Grammar
- Transformational Grammar
- Independent Study
- Usage
- History of Language
- Study of Language
- Semantics
- General Semantics
- Logic

Specific Literature/NEC
- General Literature
- Honors Literature
- Independent Study Literature
- Biography
- Essay
- Other Literature by Genre
- Periodicals

American Literature
- American Humorists
- Advanced American Literature
- State and Regional Literature
- Adventure
- American Adventure

Bible and Religious Literature
- Religions

English Literature
Eastern/Western/World Literature
- World Literature
- Classical Literature
- Eastern Literature
- Western Literature

Black and Other Ethnic Literature
- Black Literature
- American Ethnic Literature
- American Indian Literature
- Spanish American Literature

20th Century Literature
Short Story
Fiction (Fantasy)
Poetry
The Novel
- Advanced Novel

Horror, Suspense, Mystery
Science Fiction
Literature for Adolescents/Athletes and Athletics
- Literature for Adolescents
- Athletes and Athletics
- Literature for Children

Myth and Legend
Humanities
- Independent Study-Humanities

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English Language Arts--Continued

Problem Solving Through Literature/Great Ideas
- Problem Solving Through Literature
- Great Ideas

Composition
- Advanced Composition
- Accelerated Composition
- Theory
- Rhetoric
- Writing
- Expository Writing
- Persuasive Writing

Journalism/School Publications
- Journalism
- Reporting
- Editorial Writing
- Feature Writing
- Independent Study-Journalism
- Advanced Journalism
- School Publications

Creative Writing
- Narrative

Argumentation and Debate
- Parliamentary Procedure
- Persuasion

Speech and Communication Theory Diction
- Speech and Communication Theory
- Speech
- Discussion
- Rhetoric and Public Address
- Public Speaking
- Listening
- Speech Criticism
- Voice Dictation
- Speech Improvement

Speech and Public Speaking I

Speech and Public Speaking II
- Advanced Speech Through Mass Media

Radio-TV-Film
- Radio and TV
- Film

Introduction to Theatre/Drama
- Dramatic Arts
- Advanced Dramatic Arts
- Independent Study-Dramatic Arts

Acting

Dramatic Literature/Shakespeare
- Dramatic Literature
- Shakespeare
- Advanced Dramatic Literature
- Drama
- Theatre History
- Theatre Criticism

Creative Dramatics/Play Production
- Creative Dramatics
- Play Production
- Technology Design
- Oral Interpretation of Literature
- Choral Speech
- Readers Theatre
- Advanced Oral Interpretation of Literature

Library and Media Practices/Research Techniques
- Library and Media Practices
- Research Techniques
- Reference Skills

Education (Teacher Training)
- Student Assistant-Education

Social Sciences

Anthropology/Archeology
- Archeology
- Cultural Psychology
- Prehistoric People
- Primitive People
- Race
- Sociology, Political, Economic Organization
- Ethnography
- Physical Anthropology
- Ethnoscience
- Evolution
- Anthropology

Acculturation World Cultures
- Advanced World Cultures
- Acculturation
- Patterns in Human History
- Community Development
- Culture
- Cultural Change

Area Studies, NEC/Other Specified
- Areas Beyond U.S.
- Canadian
- Other Interdisciplinary

Area Studies and History, African
- African Studies
- African History

Area Studies, Asian Oriental
- Oriental Area Studies
- Asian Area Studies

Area Studies, European

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Social Sciences–Continued

- Western European
- Asian and African Area Studies
  - Middle Eastern Area Studies
- Russian History and Area Studies
  - Russian Area Studies
  - Russian History
- American Area Studies
  - Midwest
  - Northwest
  - Southwest
  - Home State
  - School Community
  - Classroom Community
- Area Studies and History, Latin American
  - Latin American History
  - Latin American Area Studies
- Conservation
- Environmental Education
- Consumer Education
  - Advanced Consumer Education
- Economics
  - Advanced-Economics
  - Independent Study–Economics
  - Comparative–Economics
  - Money and Banking
  - History of Economic Thought
  - Principles of Economics
  - National Income
- Consumer Economics
- Economic Problems and History
  - Economic Problems
  - Economic History
  - Industrial History
- Geography, 7-8
- Human or Cultural Geography
  - Historical Geography
  - Culture Regions
  - Population
  - Settlement Patterns
  - HSGP
- Political Economic Patterns
  - Economic Patterns
  - Political Patterns
- Physical Geography
  - Geography
  - Independent Study–Geography
  - Atmosphere
  - Cartographic Interpretation
- Regional Geography
  - Continental Regions
  - Political Regions
  - U.S. Geography
  - Independent Study–Regional Geography
- World Geography
- History, Including College Level
  - History
  - Advanced History
  - Independent Study History
  - College Level History
- American History and World Backgrounds
  - American History
  - Advanced American History
  - College Level American History
- Local and Regional History
  - Local History
  - Regional History
  - North American History
  - Canadian
  - Northwest
- Modern European History
- State History, Grade 7-8
  - State History–prorated here and with Grade 9-12
- State History, Grades 9-12
  - State History–prorated here and with Grade 7-8
- U.S. History, Grade 7-8
  - U.S. History–prorated here and with Grade 9-12
- U.S. History, Grades 9-12
  - U.S. History–prorated here and with Grade 7-8
  - Colonial History
  - Advanced U.S. History
- American Studies
- Black History
  - Afro American Studies
  - Black History (Negro)
- American Indian Problems and History
  - American Indian History
  - American Indian Problems
- Western Civilization
  - Western European History
  - Western Hemisphere History
  - Old World History
  - European History
  - English History
  - Advanced Western Civilizations

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- Non-Western Civilizations
  - Eastern Hemisphere History
  - Pacific Ocean Areas History
- Oriental History
  - Far Eastern History
  - Asian History
- World Civilization
  - History of Civilization
- Ancient/Medieval History
  - Ancient History
  - Medieval History
- World History, Grade 7-8
  - World History—prorated here and with Grades 9-12
- World History, Grades 9-12
  - World History—prorated here and with Grades 7-8
  - Advanced World History
- Humanities and Philosophy
  - Humanities
  - Independent Study—Humanities
  - College Level Humanities
  - Advanced Humanities
  - Philosophy
  - Ethics
  - Introduction to Philosophy
  - Logic
  - Western Thoughts
- American Government
  - Government
  - Advanced—U.S. Government
  - Independent Study—U.S. Government
- U.S. Constitution
- POD
  - Contemporary American Problems
  - Advanced Contemporary American Problems
- State Government
- Community Civics
- Basic American Law
  - Citizenship Education
- Comparative Systems
  - Advanced Comparative Systems
- Contemporary World Affairs and Modern History
  - Contemporary World Affairs
  - Contemporary Civics
  - Advanced World Affairs
  - Modern History
  - Contemporary History
  - Advanced Modern History
- Current Events
- International Relations
- Political Theory
  - Political Parties and Public Opinion
  - Political Socialization
  - Contemporary Political Thought
  - American Institutions
  - Communism
  - Public Opinion and Political Socialization
  - Political Science
  - Advanced Political Science
  - Independent Study—Political Science
  - College Level Political Science
- Human Relations
- Psychology
  - Advanced Psychology
  - Developmental
  - General
  - Psychology of Adjustment
  - Social Psychology
- Sociology/Social Organization
  - Advanced Sociology
  - Education
  - Public Opinion and Political Sociology
  - Socialization
  - Social Organization
  - Family
  - Social Theory
- Sociology, Urban
- Social Problems
  - Criminology
- Racial and Minority Problems
  - Ethnic History
- Comparative Religions, and Bible History
  - Comparative Religions
  - History of Religion
  - Religion
  - Philosophy of Religion
  - Bible History
  - Religion
  - Philosophy of Religion
  - Religion and Bible Study
- Social Studies, Grade 7
  - GCSS—prorated here with Grades 8, and 9-12
  - General and Social Studies—prorated here and with Grades8, and 9-12
  - Social Studies—prorated here and with Grades 8, and 9-12
- Social Studies, Grades 9-12, and Higher
  - Grade 9 Social Studies
  - Grade 10-12 Social Studies

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Social Sciences—Continued

College Level Social Studies
Advanced Social Studies
Student Aide Social Studies
Independent Studies Social Studies
GSCS—prorated here and with Grades 7 and 8
General Social Studies—prorated here and with Grades 7 and 8
Social Studies—prorated here and with Grades 7 and 8
Intergroup Relations
Student Government
Community Relations
The Community
Career Education/Occupational Guidance
Orientation
Occupations

Mathematics

General Mathematics, N.E.C.
General Mathematics
Advanced Mathematics
Student Aide—Mathematics
Individual Instructor—Mathematics
Independent Study—Mathematics
General Mathematics, Grade 7
Accelerated Mathematics 7-8, prorated here and with General Mathematics Grade 8
Advanced General Mathematics, 7
Individual Instruction—prorated here and with General Mathematics Grade 8
General Mathematics, 7-8—prorated here and with General Mathematics Grade 8
General Mathematics Grade 8
Accelerated Mathematics 7-8—prorated here and with General Mathematics Grade 7
Advanced General Mathematics, 8
Individual Instruction—prorated here and with General Mathematics Grade 7
Intermediate General Mathematics, 8
General Mathematics, 7-8—prorated here and with General Mathematics Grade 7
Elementary General Mathematics, 9-12
1st Year General Mathematics
2nd Year General Mathematics
Accelerated Elementary Mathematics
Liberal Arts Mathematics
Advanced General Mathematics, 9-12
3rd Year General Mathematics
4th Year General Mathematics
Accelerated Advanced General Mathematics
Intermediate General Mathematics
Accelerated Mathematics
Individual Study—Advanced General Mathematics
Student Aide—Advanced General Mathematics
Remedial Mathematics, 7-8
Remedial Mathematics, 9-12
Remedial Mathematics
Pre-Algebra
Elementary Algebra
Advanced Algebra I
Algebra and Statistics, 7-8
Algebra
Advanced Elementary Algebra
Individual Instruction—Elementary Algebra
Intermediate Algebra
Advanced Algebra II
Individual Instruction—Algebra II
Algebra Geometry
Advanced Algebra/Geometry
Advanced Algebra
Accelerated Algebra II
Algebra and Trigonometry
Advanced Algebra and Trigonometry
Applied Mathematics
Business Mathematics
Shop Mathematics
Consumer Mathematics
Cooperative Consumer Mathematics
Computer Mathematics
Advanced Computer Mathematics
Independent Study Mathematics
Plane Geometry
Geometry, 7-8
Geometry
Advanced Geometry
Individual Study—Geometry
Advanced Plane Geometry
Plane and Solid Geometry
Advanced Plane and Solid Geometry
Solid Geometry
Introduction to Mathematical Analysis
Advanced Mathematics Analysis
Trigonometry Mathematics Analysis
Analytic Geometry
Elementary Functions
Probability and Statistics
Trigonometry
Advanced Trigonometry

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College Level Mathematics
- College Algebra
- Matrix Algebra
- Linear Algebra
- College Algebra Logic and History of Mathematics

Calculus
- Advanced Calculus
- 1st Year Calculus
- 2nd Year Calculus
- Advanced 2nd Year Calculus

Calculus-Geometry

SMSG. Undesignated Calculus
- SMSG. Undesignated
- SMSG Calculus
- SMSG Algorithms with Computations

SMSG. Grades 7-8

SMSG. Grade 9

SMSG. Grade 10

SMSG. Grade 11

SMSG. Grade 12
- Advanced Grade 12

SSMCIS
- Grade 7
- Grade 8
- Grade 9
- Grade 10
- Grade 11
- Grade 12

UICSM
- Grade 7
- Grade 8
- Grade 9
- Grade 10
- Grade 11
- Grade 12

GCMP and IMP
- Grade 7-GCMP
- Grade 8-GCMP
- Grade 9-GCMP
- Grade 10-GCMP
- Grade 11-GCMP
- IPI-Grade 7-8
- IPI-Grade 9-12

Natural Science

General Science-Grade 7
- General Science-prorated here and with Grades 8, 9, and 10-12

General Science-Grade 8
- General Science-prorated here and with Grades 7, 9, and 10-12

General Science-Grade 9
- General Science-prorated here and with Grades 7, 9, 10-12
- Advanced-prorated here and with Grades 10-12
- Independent Study-prorated here and with Grades 10-12
- Student Aide-prorated here and with Grades 10-12
- ITS General Science

General Science Grades 10-12
- General Science-prorated here and with Grades 7, 8, and 9
- Advanced-prorated here and with Grade 9
- Independent Study-prorated here and with Grade 9
- Student Aide-prorated here and with Grade 9
- Laboratory Research Seminar
- Laboratory Research-General Science
- Laboratory Aide Program
- Vocational Science

ISCS-Grade 7
- ISCS

ISCS-Grade 8

ISCS-Grade 9

Biological Sciences
- Taxonomy
- Molecular Biology
- Marine Biology
- Biochemistry
- Nutrition
- Nature Study
- Developmental Biology

Anatomy and Anthropology
- Anatomy
- Anthropology
- Behavior
- Evolution
- Paleontology
- Genetics
- Reproduction

Ecology, Entomology, Conservation
- Ecology
- Entomology
- Conservation

Physiology Biophysics
- Organic Systems
- Cytology

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Natural Science–Continued

- Biophysics

Technical Applications and Applied Biology
- Technological Applications
- Applied Biology

Environmental Science
- Radiation

Zoology
- Advanced Zoology

Botany

Biology I
- Advanced Biology I
- Independent Study–Biology I
- Biology Laboratory Technology
- ITS Biology

Biology II
- Advanced Biology II
- Independent Study–Biology

College Level Biology
- Microbiology
- Bacteriology

BSCS. Blue Version

BSCS. Green Version
- BSCS White Version
- BSCS Black Version

BSCS. Yellow

BSCS. Special Materials

BSCS. 2nd Course

Life Science
- Advanced Life Science

Physical Science–1st Year
- Matter-Energy Exchange
- Physical Science
- ITS Physical Science

Physical Science 2nd Year
- College Level
- Technological Applications
- Independent Study
- Instruction and Analytic Methods

TSM. CBA. ECPP
- TSM
- CBA
- Chemical Bonding
- ECCP

Chemistry–1st Year
- Chemistry
- Advanced
- Chemistry Reactions
- IAC–University of Maryland

Chemistry–2nd Year
- Periodic Properties
- Qualitative Analysis
- Inorganic Chemistry
- Materials Science
- Organic
- Physical Chemistry
- Quantitative Analysis
- Lab Research
- Independent Study

Applied Chemistry

CHEM Study

College Level Chemistry and Physics
- College Level Chemistry
- College Level Physics

Physics–1st Year
- Physics
- Advanced Physics I
- Heat
- Forces and Motion
- Mechanics

Physics–2nd Year
- Kinetic Molecular Theory
- Optus
- Solid State
- Thermodynamics
- Nuclear Science
- Wave Phenomena
- Independent Study–Physics
- Laboratory Research
- Measurement

IME

Electricity, Electronics, and Other Applied Physics
- Electronics
- Applied Physics
- Electricity
- Electricity and Magnetism
- Electronics

Earth-Space Sciences
- Meteorology
- Climatology
- Geophysics
- Independent Study
- Technical Application
- Astronomy
- Advanced Astronomy

Aeronautics
- Aeronautics

Earth Sciences
- Earth Changes

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Natural Science—Continued

Space Science
ESCP
Geology
  Advanced Geology
Oceanography

Foreign Language

Greek and Classical Languages
  Classical Language
  Culture
  Reading
  Speaking
  Modern Greek
  Greek 1st Year
  Greek 2nd Year
  Greek 3rd Year
  Greek 4th Year
Latin Grade 7
Latin Grade 8, and Other Combinations with Grade 8
Latin 1st Year
  General Latin
  Culture
  Literature
  Translation
Latin 2nd Year
Latin 3rd Year
Latin 4th Year, 5th Year, 6th Year, and College
  4th Year Latin
  5th Year Latin
  6th Year Latin
  College Level Latin
  Other Skills—Latin
  Independent Study—Latin
Chinese
  1st Year Chinese
  2nd Year Chinese
  3rd Year Chinese
  4th Year Chinese
  Chinese Reading
  Chinese Speaking
  Chinese Literature
  Classical Chinese
English As a Foreign Language
  1st Year English As A Foreign Language
  2nd Year English As A Foreign Language
  3rd Year English As A Foreign Language
French Grade 7
French Grade 8
  Other French Combinations with Grade 8
French, 1st Year
  French
  Culture
  Listening
  Reading
  Speaking
  Literature
  Writing
French—2nd Year
French—3rd Year
French—4th, 5th, 6th, and College Level
  4th Year French
  5th Year French
  6th Year French
  College Level French
  Advanced Level French
  Independent Study French
German 7th Grade
German 8th Grade
  Other Combinations with Grade 8
German 1st Year
  German
  Culture
  Listening
  Speaking
  Literature
  Foreign Language for Native Speakers
German 2nd Year
German 3rd Year
German 4th, 5th, 6th, and College Level
  4th Year German
  5th Year German
  6th Year German
  College Level German
  Advanced German
  Independent Study German
Modern and Classical Hebrew
  Hebrew
  1st Year Modern Hebrew
  2nd Year Modern Hebrew
  3rd Year Modern Hebrew
  4th Year Modern Hebrew
  Culture—Modern Hebrew
  1st Year Classical Hebrew
  2nd Year Classical Hebrew
  3rd Year Classical Hebrew
  4th Year Classical Hebrew

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Foreign Language—Continued

Italian Grade 7-8
- Grade 7 Italian
- Grade 8 Italian

Italian 1st Year
- Italian
- Speaking

Italian 2nd. 3rd. 4th. 5th Year
- 2nd Year Italian
- 3rd Year Italian
- 4th Year Italian
- 5th Year Italian
- Independent Study

Japanese 1st Year
- Japanese
- Grade 8 Japanese
- Culture

Japanese 2nd. 3rd. 4th. and 5th Year
- 2nd Year Japanese
- 3rd Year Japanese
- 4th Year Japanese
- 5th Year Japanese

Portugese
- 1st Year Portugese
- 2nd Year Portugese
- 3rd Year Portugese
- 4th Year Portugese
- Portugese for Native Students

Russian Grade 7-8
- Grade 7 Russian
- Grade 8 Russian
- Other Combinations with Grade 8

Russian – 1st Year
- Russian
- Culture
- Speaking
- Translation

Russian – 2nd Year

Russian 3rd. 4th. 5th. and College
- 3rd Year Russian
- 4th Year Russian
- 5th Year Russian
- College Russian
- Independent Study Russian

Spanish for Spanish Speaking

Spanish Grade 7

Spanish Grade 8
- Other Combinations with Grade 8

Spanish 1st Year
- Spanish
- Culture
- Speaking
- Literature
- Translation
- Writing

Spanish 2nd Year

Spanish 3rd Year

Spanish 4th. 5th. 6th. and College Level
- 4th Year Spanish
- 5th Year Spanish
- 6th Year Spanish
- College Level Spanish
- Advanced Spanish
- Independent Study Spanish

Swahili
- 1st Year Swahili
- 2nd Year Swahili
- 3rd Year Swahili

General Foreign Language
- Independent Study – General Foreign Language
- Modern Foreign Language
- Literature
- Culture
- Speaking
- Writing
- Foreign Language for Native Students
- Advanced General Foreign Language
- Student Aide – General Foreign Language
- Humanities – General Foreign Language
- College Level – General Foreign Language

Languages with Fewer than 500 Enrollment
- Armenian
- American Tribal Language
- Swedish 1st Year
- Swedish 2nd Year
- Polish 1st Year
- Polish 2nd Year
- Polish 3rd Year
- Norwegian
- Norwegian 1st Year
- Norwegian 2nd Year
- Norwegian 3rd Year
- Czechoslovakian 1st Year
- Czechoslovakian – Other Grade Combinations
- Arabic 1st Year
- Arabic 2nd Year
- Hawaiian 1st Year
- Hungarian 1st Year

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Physical Education

Health. Grade 7-8
- Boys – prorated here and with Health. Grade 9-12
- Girls – prorated here and with Health. Grade 9-12
- Health Careers – prorated here and with Health. Grades 9-12
- Health – prorated here and with Health. Grade 9-12

Health. Grade 9-12
- Boys – prorated here and with Health. Grade 7-8
- Girls – prorated here and with Health. Grade 7-8
- Health Careers – prorated here and with Health. Grade 7-8
- Health – prorated here and with Health. Grade 7-8
- Cooperative – Health. Grade 9-12
- Health. 9-12 Boys
- Health. 9-12 Girls

Personal and Family Life and Sex Education
- Family Life – Boys
- Family Life – Girls
- Mental Health
- Health Maintenance and Care
- Physical Fitness
- Physical Fitness – Boys
- Physical Fitness – Girls
- Growth and Development

First Aid

Alcohol, Drugs, and Tobacco
- Boys – Alcohol, Drugs, and Tobacco
- Girls – Alcohol, Drugs, and Tobacco

Environmental Health Community

Health and Physical Education. No Grade Breakdown–Boys
- Health and Physical Education – prorated here and with Health and Physical Education. No Grade Breakdown – Girls

Health and Physical Education. No Grade Breakdown – Girls
- Health and Physical Education – prorated here and with Health and Physical Education No Grade Breakdown – Boys

Health and Physical Education. Grade 7 Boys
- Health and Physical Education Grade 7 – prorated here with Health and Physical Education. Grade 7 Girls

Health and Physical Education. Grade 7 Girls
- Health and Physical Education Grade 7–prorated here and with Health and Physical Education. Grade 7 Boys

Health and Physical Education. Grade 8 Boys
- Health and Physical Education Grade 8–prorated here and with Health and Physical Education Grade 8 Girls

Health and Physical Education. Grade 8 Girls
- Health and Physical Education Grade 8–prorated here and with Health and Physical Education Grade 8 Boys

Health and Physical Education. Grade 9 Boys
- Health and Physical Education Grade 9–prorated here and with Health and Physical Education Grade 9 Girls

Health and Physical Education. Grade 9 Girls
- Health and Physical Education Grade 9–prorated here and with Health and Physical Education Grade 9 Boys

Health and Physical Education. Grade 10 Boys
- Health and Physical Education Grade 10–prorated here and with Health and Physical Education Grade 10 Girls

Health and Physical Education. Grade 10 Girls
- Health and Physical Education Grade 10–prorated here and with Health and Physical Education Grade 10 Boys

Health and Physical Education. Grade 11 Boys
- Health and Physical Education Grade 11–prorated here and with Health and Physical Education Grade 11 Girls

Health and Physical Education. Grade 11 Girls
- Health and Physical Education Grade 11–prorated here and with Health and Physical Education Grade 11 Boys

Health and Physical Education. Grade 12 Boys
- Health and Physical Education Grade 12–prorated here and with Health and Physical Education Grade 12 Girls

Health and Physical Education. Grade 12 Girls
- Health and Physical Education Grade 12–prorated here and with Health and Physical Education Grade 12 Boys

Health and Safety
- Grade 7-8
- Cooperative Grade 7-8
- Grades 9-12
- Safety in Daily Living
- Safety in Daily Living–Boys
- Safety in Daily Living–Girls
- Safety in the Home
- Traffic Safety
- Water Safety

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Physical Education–Continued

Physical Education–No Grade Breakdown Boys
- Physical Education–No Grade Breakdown–prorated here with Physical Education No Grade Breakdown Girls
- Student Aide–prorated here and with Physical Education No Grade Breakdown Girls
- Advanced–prorated here and with Physical Education. No Grade Breakdown Girls
- General Physical Education–prorated here and with Physical Education. No Grade Breakdown Girls
- Student Aide–General–prorated here and with Physical Education. No Grade Breakdown Girls
- Advanced Physical Education. Boys
- Independent Study Physical Education–prorated here and with Physical Education. No Grade Breakdown. Girls
- Independent Study–prorated here and with Physical Education No Grade Breakdown. Girls
- Boys Independent Study

Physical Education–No Grade Breakdown–Girls
- Physical Education–No Grade Breakdown–prorated here and with Physical Education. No Grade Breakdown–Boys
- Student Aide–prorated here and with Physical Education. No Grade Breakdown–Boys
- Advanced–prorated here and with Physical Education. No Breakdown–Boys
- General Physical Education–prorated here and with Physical Education. No Grade Breakdown–Boys
- Student Aide–General–prorated here and with Physical Education. No Grade Breakdown–Boys
- Independent Study–prorated here and with Physical Education. No Grade Breakdown–Boys
- Girls Independent Study Advanced Physical Education–Girls
- Independent Study–Physical Education–prorated here and with Physical Education. No Grade Breakdown–Boys

Physical Education Grade 7 Boys
- Physical Education Grade 7–prorated here and with Physical Education Grade 7 Girls

Physical Education Grade 7 Girls
- Physical Education Grade 7–prorated here and with Physical Education Grade 7 Boys

Physical Education Grade 8 Boys
- Physical Education Grade 8–prorated here and with Physical Education Grade 8 Girls

Physical Education Grade 8 Girls
- Physical Education Grade 8–prorated here and with Physical Education Grade 8 Boys

Physical Education Grade 9 Boys
- Physical Education Grade 9–prorated here and with Physical Education Grade 9 Girls

Physical Education Grade 9 Girls
- Physical Education Grade 9–prorated here and with Physical Education Grade 9 Boys

Physical Education Grade 10 Boys
- Physical Education Grade 10–prorated here and with Physical Education Grade 10 Girls

Physical Education Grade 10 Girls
- Physical Education Grade 10–prorated here and with Physical Education Grade 10 Boys

Physical Education Grade 11 Boys
- Physical Education Grade 11–prorated here and with Physical Education Grade 11 Girls Physical Education Grade 11 Girls
- Physical Education Grade 11–prorated here and with Physical Education Grade 11 Boys

Physical Education Grade 12 Boys
- Physical Education Grade 12–prorated here and with Physical Education Grade 12 Girls

Physical Education Grade 12 Girls
- Physical Education Grade 12–prorated here and with Physical Education Grade 12 Boys

Adapted Physical Education–Boys
- Adapted Physical Education–prorated here and with Adapted Physical Education Girls

Adapted Physical Education–Girls
- Adapted Physical Education–prorated here and with Adapted Physical Education Boys

Body Dynamics and Conditioning
- Body Dynamics–Boys
- Body Dynamics–Girls
- Conditioning Exercises
- Conditioning Exercises–Boys
- Conditioning Exercises–Girls
- Body Dynamics–Advanced
- Fundamental Movements
- Independent Self-Testing
- Posture Education
- Posture Education–Boys
- Posture Education–Girls
- Posture Education–Advanced

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Physical Education–Continued

- Trampoline
- Stunts, Tumbling, and Gymnastics
- Boys Apparatus
- Girls Apparatus
- Pyramids

Dance, Rhythms, and Dramatic Events
- Dance, Rhythms, and Dramatic Events–Boys
- Dance, Rhythms, and Dramatic Events–Girls
- Dance
- Folk Dance
- Social Dance
- Square Dance
- Ballet
- Rhythms
- Creative Rhythms
- Dance
- Dance, Girls

Modern Dance
- Gymnastics

Individual and Dual Sports/Swimming
- Individual and Dual Sports
- Individual and Dual Sports–Boys
- Individual and Dual Sports–Girls
- Archery
- Badminton
- Bowling
- Fencing
- Golf
- Handball
- Tennis
- Tennis–Boys
- Tennis–Girls
- Track and Field
- Wrestling
- Aquatics
- Swimming and Diving–Boys
- Swimming and Diving–Girls
- Diving
- Diving–Boys
- Skin and Scuba Diving
- Swimming
- Swimming–Boys
- Swimming–Girls
- Synchronized Swimming
- Synchronized Swimming–Girls
- Group Games, Contests, Relays

Team Sports
- Team Sports–Boys
- Team Sports–Girls
- Baseball
- Basketball
- Basketball–Boys
- Basketball–Girls
- Field Hockey
- Field Hockey–Girls
- Football
- Football–Boys
- Football–Girls
- Soccer
- Soccer–Girls
- Softball
- Softball–Boys
- Softball–Girls
- Volleyball

Recreation, Lifetime Sports/Hobbies
- Recreation
- Recreation–Boys
- Recreation–Girls
- Hobbies
- Outdoor Recreation
- Physical Recreation
- Outdoor Recreation
- Camping
- Cycling
- Fishing
- Rifle Hunting
- Ice Skating
- Orienting
- Skin and Scuba
- Sailing
- Snow Skiing
- Cross-Country Skiing
- Downhill Skiing

Leadership School Support
- Leadership
- Leadership–Boys
- Leadership–Girls
- Voluntary Service

Safety and Driver Education

Classroom Instruction
- Driver Education–General
- Student Aide in Driver Education

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Safety and Driver Education—Continued

Practice Driving, Including Simulation
- Laboratory or Simulation

Safety
Grade 7-8 Safety
Grade 9-12 Safety
Student Aide—Safety
Bicycle, Motor Bike Safety
Civil Defense

Junior ROTC

1st Year ROTC
- Student Aide
- General
- Army Junior ROTC
- Introduction to ROTC
- Leadership
- Leadership, Drill and Exercise of Command
- Individual Weapons
- Naval Science I
- Individual, Small Unit Tactics
- Drill Commands
- Navigation I
- Introduction to Aerospace Education
- Military Training I
- Civilian Aviation
- American Military History

2nd Year ROTC
- Marksmanship
- Naval Science II
- Adventures in Science

3rd Year and 4th Year ROTC
- 3rd Year ROTC
- 4th Year ROTC
- Naval Science III

Music

General Music
- General Music
- Advanced General Music
- Student Aide—General Music
- Independent Study—General Music

Music Appreciation
- Music Literature
- Humanities

Theory and Harmony
- Advanced Theory and Harmony
- Fundamentals in Music
- Composition, Counterpoint

Choir
- Girls Choir
- Advanced Choir
- Mixed Choir
- Choir, Chorus

Chorus
- Advanced Chorus
- Boys Chorus
- Girls Chorus
- Male Chorus
- Female Chorus
- Vocal Music
- Group Voice
- Voice
- Individual Voice

Glee Club
- Male Glee Club
- Female Glee Club
- Vocal Ensembles

Instrumental Music
- Instrumental Instruction
- Group Instrumental Instruction
- Individual Instrumental Instruction

Band
- Concert Band
- Rhythm and Body Movement
- Marching Band
- Stage Band
- Advanced Band

Orchestra
- Chamber Orchestra
- Full Orchestra
- String Orchestra

Instrumental Ensembles

Art

Art, Grade 7-8
Art I
- Grade 8-9 Art
- General Art
- Art Theory
- Survey
- Accelerated Art
- School Service Art

Art II
Art III and IV
- Art III

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Art—Continued

- Art IV
- Art Major
- Independent Study—Art
- Student Aide—Art

Art Appreciation/History
- Art Appreciation
- Art History
- Art History and Theory
- Humanities

Art Studio
- Advanced Art Studio

Commercial, Industrial Design
- Commercial Design
- Textile and Textile Design
- Design for Performing Arts
- Fashion Design
- Technological and Media Illustration
- Special Design
- Printmaking
- Environmental Design
- Industrial and Production Design
- Interior Design

Graphics

Crafts
- Advanced Crafts
- Independent Study—Crafts

Metalworks and Jewelry

Pottery and Ceramics

Drawing, Painting, and Design
- Basic Design
- Architectural Design
- 2-Dimensional Design
- 3-Dimensional Design
- Independent Study—Design
- Drawing
- Painting
- Advanced Drawing and Painting

Photography, Filmmaking
- Photography
- Filmmaking
- Advanced Photography

Sculpture

Industrial Arts

General Industrial Arts, Grade 7-8

General Industrial Arts, 1st Year

General Industrial Arts, 9-12

General Industrial Arts

GIA

General Industrial Arts, 2nd Year

General Industrial Arts, 3rd and 4th Year
- 3rd Year Industrial Arts
- 4th Year Industrial Arts
- Student Assistant—Industrial Arts
- Cooperative Industrial Arts
- Independent Study—Industrial Arts
- Advanced Study—Industrial Arts
- Research and Development
- Surveying
- Service Industrial

Home Mechanics
- Grade 7-8 Home Mechanics
- Grade 9-12 Home Mechanics

Industrial Arts for Girls
- Grade 7-8 Industrial Arts for Girls
- Grade 9-12 Industrial Arts for Girls

Exploratory Industrial Arts
- Career Orientation

Construction
- Grade 7-8 Construction
- Grade 9-12 Construction
- Preengineering

Carpentry
- Advanced Carpentry
- Woodworking
- Advanced Woodworking
- Millwork
- Cabinetmaking

General Woods, 7-8

General Woods, 9-12
- Woods
- Advanced Woods
- Independent Study—Woods
- Woods 2 and 3
- Woods Technology
- Advanced Woods Technology

Craft-7-8
- Individual Crafts, 7-8

Crafts, 9-12
- Crafts
- Individual Crafts
- Individual Crafts, 9-12
- Needlecrafts
- Creative Crafts
- Ceramics

Art Metals
- Art Metals, 7-8
- Art Metals, 9-12

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Industrial Arts--Continued

- Jewelry
- Jewelry 7-8
- Jewelry 9-12

Leather, Textiles and Upholstery (Leather)
- Leather 7-8
- Leather 9-12
- Textiles
- Upholstery

Plastics
- Plastics 7-8
- Plastics 9-12
- Individual Plastics

Drafting, 7-8
- Drawing 7-8

Drafting, 9-12
- Drawing 9-12
- Advanced Drafting
- Independent Study Drafting
- Drafting
- Drawing
- Descriptive Geometry
- Descriptive Geometry 9-12

Other Specialized Drafting and Drawing
- Drafting Technology
- Engineering Drawing
- Industrial Design
- Technical Illustration
- Advanced Technical Illustration
- Blueprints
- Patternmaking
- Architectural Drafting

Mechanical Drawing 7-8

Mechanical Drawing 9-12
- Mechanical Drawing
- Advanced Mechanical Drawing

Electricity Electronics
- Electricity Electronics
- Electronics 7-8
- Electronics 9-12
- Radio Technology Electronics
- Radio Technology Electronics 7-8
- Advanced Electronics
- Electronics
- Radio Technology Electronics 9-12
- Electricity

Electricity 7-8

Electricity 9-12

Graphic Arts 7-8

Graphic Arts 9-12
- Graphic Arts
- Advanced Graphic Arts
- Graphics
- Graphic Arts Industries

Photography
- Grade 7-8 Photography
- Grade 9-12 Photography

Printing
- Photolithography
- Photolithography, 9-12
- Graphic Communications
- Advanced Graphic Communications

Applied Shop
- Grade 7-8 Applied Shop
- Grade 9-12 Applied Shop
- Cooperative Applied Shop

Industrial Arts Mathematics and Science
- Industrial Arts Mathematics, 7-8
- Industrial Arts Mathematics, 9-12
- Industrial Arts Science
- Industrial Arts Science, 7-8
- Industrial Arts Science, 9-12
- Industrial Arts Mathematics

Manufacturing
- Grade 7-8 Manufacturing
- Grade 9-12 Manufacturing
- Advanced Manufacturing
- Cooperative Fabrication
- Manufacturing Research

Industrial Materials and Technology
- Industrial Technology
- Industrial Technology, 7-8
- Industrial Technology, 9-12
- Advanced Machine Technology
- Cooperative Machine Technology
- Machine Technology
- Industrial Materials and Process
- Fluid Power
- Industrial Materials
- Industrial Materials, 7-8
- Industrial Materials, 9-12
- Industrial Materials and Process
- Industrial Process
- Industrial Process, 7-8
- Industrial Process, 9-12
- Instrumentation
- Production
- Production, 9-12
- Industrial Practices

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Industrial Arts–Continued

Metalworking, 7-8
Metalworking, 9-12
- Metalworking
- Accelerated Metalworking
- Advanced Metalworking
- Independent Study Metalworking
- Advanced Metals, 9-12
- Metal Technology
- Sheet Metal
- Foundry
- Advanced Foundry

Welding
Automotive Mechanics
- Grade 7-8 Automotive Mechanics
- Grade 9-12 Automotive Mechanics
- Advanced Automotive Mechanics

Power/Automotive Mechanics
- Transportation
- Gas Engineer
- Aeronautics
- Machines
- Power/Automotive Mechanics
- Power Mechanics (Small Engine)

Power/Automotive Mechanics, All Grades
- Grades 7-8 Power/Automotive Mechanics
- Grades 9-12 Power/Automotive Mechanics
- Advanced Grades 9-12 Power/Automotive Mechanics

Home Economics

Home Economics, NEC
- General Home Economics
- Student Aide
- Independent Study
- Advanced
- Comprehensive
- Cooperative
- Self Improvement
- Arts and Home Crafts

7th Grade Home Economics
8th Grade Home Economics
1st Year Home Economics
2nd Year Home Economics
3rd and 4th Year Home Economics
- 3rd Year Home Economics
- 4th Year Home Economics
- Junior High Special

Home Economics for Boys
Child Development
- Advanced Child Development

Clothing and Textiles, 1st Year
Clothing and Textiles, 2nd Year
Clothing and Textiles, 3rd and 4th Year
- 3rd Year Clothing and Textiles
- 4th Year Clothing and Textiles
- Clothing and Textiles
- Tailoring
- Clothing–Advanced
- Clothing–Independent Study

Consumer Education
Family Relations
Nutrition
- Foods and Nutrition

Foods 1st Year
Foods 2nd Year
Foods 3rd and 4th Year
- 3rd Year Foods
- 4th Year Foods
- Creative Gourmet

Home Management
Housing and Home Furnishing
Health and Home Nursing
- Family Health

Trades and Industries

Trades and Industries, General and N.E.C.
- Independent Study–Trades and Industries
- Student Aide–Trades and Industries
- Plastics
- Public Service
- Law Enforcement
- Transportation Warehousing
- Watchmaking
- Business Machine Maintenance
- Commercial Fishery
- Foremanship
- Junior Achievement
- Instruments
- Ship and Boat Operation and Maintenance Maritime

ICT
- Cooperative Trades and Industries

Graphic Arts
- General Graphic Arts
- Graphic Arts I
- Graphic Arts II

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Trade and Industries—Continued

- Graphic Arts III
- Commercial Photography
- Photography Laboratory
- Commercial Art

Printing
- Cooperative Printing
- Lithography

Textile and Leather Production, Fabrication, and Maintenance
- Drycleaning
- Fabric Maintenance
- Laundering
- Individual Study
- Dressmaking
- Tailoring
- Leather
- Shoe Manufacturing
- Shoe Repair
- Upholstery and Dressmaking
- Interior Decoration

Electricity—1st Year
- Appliance Repair
- Electric Appliance Repair
- Motor Repair
- Electrical Occupations

Electricity—2nd, 3rd, 4th Year, and Other
- 2nd Year Electricity
- 3rd Year Electricity
- 4th Year Electricity
- Industrial Electricity
- Small Engine Repair

Electronics—1st Year
- Electronics

Electronics—2nd, 3rd, and 4th Year
- 2nd Year Electronics
- 3rd Year Electronics
- 4th Year Electronics
- Communications
- Industrial Electronics
- Radio-Television Repair

Body and Fender Mechanics
- Automobile Services
- Cooperative Automobile Services
- Body and Fender Mechanics
- 1st Year Body and Fender Mechanics
- 2nd Year Body and Fender Mechanics

Automotive Mechanics
- General Automobile Mechanics
- 1st Year Automobile Mechanics
- 2nd Year Automobile Mechanics
- Specialization
- Diesel Mechanics

Aviation and Aircraft Mechanics
- Air Frame
- Aviation
- General Aviation Mechanics
- Power Plant
- Aircraft Operations
- Ground Operations

Construction and Maintenance Trades, Including Air Conditioning
- Construction and Maintenance
- Electricity
- Maintenance
- Heavy Equipment
- Painting and Decorating
- Plastering
- Plumbing
- Blueprint Reading
- Custodial Services
- Air Conditioning
- 1st Year Air Conditioning
- 2nd Year Air Conditioning
- Refrigeration
- Stationary Energy
- Heating Systems
- Cooling Systems

Masonry

Carpentry
- Carpentry
- Carpentry—1st Year
- Carpentry—2nd Year

Woodworking—1st Year
- Woodworking Occupations

Woodworking—2nd Year, 3rd Year, Including Cabinetmaking
- 2nd Year Woodworking
- 3rd Year Woodworking
- Millwork
- 1st Year Cabinetmaking and Millwork
- 2nd Year Cabinetmaking and Millwork
- 3rd Year Cabinetmaking and Millwork
- Millwork and Cabinetmaking
- Cabinetmaking

Drafting
- Architectural Drafting
- General Drafting
- 1st Year Drafting
- 2nd Year Drafting
- Mechanical Drawing

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Trade and Industries–Continued

- 1st Year Mechanical Drawing
- 2nd Year Mechanical Drawing
- Technical Illustration
- Pre-engineering
- Industrial Drafting

Machine Shop
- Machine Tool Operation
- Tool and Die
- Metal Patternmaking

Metalworking–1st Year, 2nd Year, 3rd Year, and Other
- Metalworking
- 1st Year Metalworking
- 2nd Year Metalworking
- 3rd Year Metalworking
- Cooperative Metalworking
- Metal Trades
- Foundry
- Metallurgy

Sheet Metal
- Sheet Metal
- 1st Year Sheet Metal
- 2nd Year Sheet Metal

Welding and Cutting
- General Welding and Cutting
- 1st Year Welding and Cutting
- 2nd Year Welding and Cutting
- Combination

Cosmetology
- Personal Services
- Cosmetology
- 1st Year Cosmetology
- 2nd Year Cosmetology
- 3rd Year Cosmetology
- Barbering

Cook Chef
- Quantity Food Occupations
- Cooperative Quantity Food
- Baker
- Meat Cutter
- Waiter

Vocational Group Guidance
- Preprofessional Occupations
- Agricultural Production
- Pre and Semi Health
- Agricultural Occupations
- Agricultural Mechanics
- Business Occupations
- Cooperative Business Occupations
- Office Occupations
- Business Data Processing
- Accounting
- Industrial Occupations

Business

Exploratory/General Business
- Introduction to Business Education
- General Business
- Student Aide–General Business
- Independent Study–General Business
- Business Ethnics
- Business Psychology
- Personal Development and Human Relations
- Business Education Cooperative
- Advanced Business Education
- Exploratory Business (Occupations)
- Business Examination Preparation

Accounting
- Accelerated Accounting
- Accounting Principles
- Advanced Accounting
- Cost Accounting
- Payroll Accounting
- Tax Accounting

Bookkeeping I
- General Bookkeeping

Bookkeeping II, III, IV
- Bookkeeping II
- Bookkeeping III
- Bookkeeping IV
- Machine Bookkeeping
- Payroll Record Keeping

Recordkeeping

Business Arithmetic Mathematics
- Advanced Business Mathematics
- Business Statistics

Business Communications Correspondence
- Business Communications
- Advanced Business Communications
- Business Correspondence
- Report Writing

Business Law

Business Machines
- Cooperative–Business Machines
- Independent Study–Business Machines
- 1st Year Business Machines
- 2nd Year Business Machines
- Listing
- Duplication

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Business—Continued

- Clerical Practice/Office Work Experience
  - Spelling and Vocabulary
  - Filing and Record Control
  - Filing
  - Office Work Experience
  - Advanced Office Work Experience
  - Vocational Office Training
  - Cooperative Work Experience
  - Office Practice
  - Cooperative Office Practice
- Data Processing/Computer Operations/Keypunching
  - Introduction to Data Processing
  - Data Processing Systems
  - Computer-Oriented Mathematics
  - Computer Programming
  - Computer Operations: Introduction
  - Processing Equipment Operations
  - Keypunch
  - Independent Study—Data Processing
- Consumer Economics
- Consumer Education
  - Personal Finances
- Economics/Finance/Business Management
  - Business and Management Principles
  - Business and Management Principles—Cooperative
  - Business Principles
  - Business Organization and Management
  - Business Organization Cooperative
  - Labor Management Relations
  - Merchandising Management
  - Office Management
  - Personnel Management
  - Business Finance
  - Budget Control
  - Credit and Collections
  - Economics
  - Money and Banking
  - Insurance and Risk
  - Investments
  - Principles of Insurance
  - Real Estate
- Marketing and Distribution
  - Cooperative Marketing and Distribution
  - Economic Geography
  - Advertising and Sales Promotion
  - Advertising Principles
  - Advertising Media and Campaigns
- Retailing/Wholesaling
  - Retailing
  - Merchandise Information
  - Retail Display
  - Retail Merchandising
  - Wholesaling
- Salesmanship
  - Retail Sales
  - Cooperative Salesmanship
- Shorthand For Personal Use
- Shorthand Theory—1st Year
  - Machine Shorthand
- Shorthand Theory—2nd Year and Advanced
  - Shorthand Theory—2nd Year
  - Shorthand, Stenography, Secretarial Skills
  - Advanced Shorthand, Stenography and Secretarial Skills
  - Shorthand Speed Building
  - Shorthand Transcription
  - Machine Transcription
  - Specialized Shorthand
  - Shorthand Dictation
- Secretarial Practices
  - Special Secretarial Practices
- Typewriting For Personal Use
  - Personal Typing Notehand
- 1st Year Typewriting
  - Typewriting
- 2nd, 3rd, 4th Year Typewriting
  - 2nd Year Typewriting
  - 3rd Year Typewriting
  - 4th Year Typewriting
  - Advanced Typewriting
  - Accelerated Typewriting
  - Independent Study Typewriting

Agriculture

- Agriculture, Grades 7-8
  - Safe Operation of Farm Machinery
- 1st Year Agriculture
  - Agriculture for Girls
  - General Agriculture
  - Agriculture Occupations
- 2nd Year Agriculture
- 3rd-4th Year Agriculture
  - 3rd Year Agriculture
  - 4th Year Agriculture
  - Accelerated Agriculture
  - Cooperative Agriculture
  - Student Aide Agriculture
  - Independent Study—Agriculture
- Agricultural Management/Production/Supplies
  - Production

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Agriculture—Continued

- Plant Science
- Crops
- Soils
- Soil Management
- Animal Science
- Livestock and Poultry
- Animal Health
- Farm Business Management
- Purchasing and Marketing
- Advanced Farm Business Management
- Agriculture Chemicals
- Agriculture Supplies/Services
- Agriculture Products
- Food Products
- Dairy Products
- Fruits and Vegetables

Agricultural Mechanics/Construction

- Agricultural Mechanics
- Farm Mechanics
- Agricultural Power and Machinery
- Agricultural Structures and Conveniences
- Agricultural Mechanics Skills
- Agricultural Construction and Maintenance
- Agricultural Electrification

Ornamental Horticulture

- Floriculture
- Greenhouse Operations and Management
- Advanced Greenhouse Operations
- Landscaping
- Nursery Operation and Management

Agricultural Resources/Conservation/Forestry

- Conservation
- Environmental Biology
- Forests
- Recreation
- Soil
- Wildlife
- Forestry
- Logging

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H: AGGREGATION OF COURSES AND PROGRAMS, 1981-1982

AGRICULTURE, 1st YEAR

01.0111	Agribusiness, Introduction

AGRICULTURE, 2nd YEAR

01.0121	Agricultural Business Operation

AGRICULTURE, 3rd/4th YEAR

01.0131	Farm and Ranch Management
01.0141	State and Community Agriculture
01.0181	Agriculture, Indenpendent Study
01.0271	Surveying, Agricultural
01.0700	International Agriculture, Other
02.0212	Animal Sciences 2
02.0261	Horse Production
02.0271	Small Animal Production
02.0281	Fish Production
02.0200	Animal Sciences, Other
03.0600	Wildlife Management, Other

AGRICULTURAL MANAGEMENT/PRODUCTION/SUPPLIES

03.0211	Conservation and Regulation
02.0251	Nutrition and Feeds
01.0151	Agricultural Mathematics
01.0161	Agricultural Microprocessing
01.0171	Agriculture Cooperatives
01.0100	Agricultural Business and Management, Other
01.0261	Soil and Water Mechanical Practices
01.0312	Agriculture Technology 1
01.0313	Agriculture Technology 2
01.0300	Agricultural Production, Other
01.0400	Agricultural Products and Processing, Other
01.0511	Agricultural Supplies Marketing
01.0521	Animal Grooming
01.0500	Agricultural Services and Supplies, Other
02.0300	Food Sciences, Other
01.9900	Agribusiness and Agricultural Production, Other
01.0321	Animal Production
01.0331	Crop Production
01.0681	Fruit and Vegetable Production
02.0111	Agricultural Sciences, Other General
02.0211	Animal Sciences 1
02.0221	Livestock 9
02.0231	Poultry
02.0241	Dairy Production
02.0411	Agronomy

02.0511	Soil Sciences, General
02.0521	Fertilizers and Chemicals
03.0200	Conservation and Regulation, Other

AGRICULTURAL MECHANICS/CONSTRUCTION

01.0231	Power and Machinery, Agricultural
01.0241	Farm Construction
01.0221	Welding, Agricultural
01.0251	Electricity and Electronics, Agricultural
01.0200	Agricultural Mechanics, Other

ORNAMENTAL HORTICULTURE, LANDSCAPING

02.0421	Ornamental Horticulture 1
02.0422	Ornamental Horticulture 2
02.0423	Ornamental Horticulture 3
01.0611	Horticulture
01.0621	Floriculture
01.0631	Landscaping
01.0632	Landscaping, Advanced
01.0641	Greenhouse Management
01.0651	Nursery Operations and Management
01.0661	Horticulture Power Equipment Operation and Maintenance
01.0671	Turf Management
01.0600	Horticulture, Other
02.0400	Plant Sciences, Other
02.0500	Soil Sciences, Other
04.0600	Landscape Architecture, Other

AGRICULTURAL RESOURCES/CONSERVATION/FORESTRY

03.0511	Forestry Science 1
03.0512	Forestry Science 2
03.0621	Rural Recreation
03.0611	Wildlife Management
03.0100	Renewable Natural Resources, Other General
03.0400	Forestry Production and Processing, Other
03.0500	Forestry and Related Sciences, Other
03.9900	Renewable Natural Resources, Other

ART I

50.0703	Art, General
50.0704	Art 1

ART II

50.0708	Art 1, Independent Study
50.0705	Art 2
50.0709	Art 2, Independent Study

ART III/IV AND ART STUDIO

50.0706	Art 3
50.0707	Art 4
50.0711	Art Services 10
50.0712	Art Services 11
50.0713	Art Services 12
50.0111	Aesthetics
50.0100	Visual and Performing Arts, Other General

ART APPRECIATION/HISTORY

50.0726	Art History and Appreciation
50.0727	Black Fine Arts
50.0728	Mexico, Fine Arts
50.0729	Bicultural Art
50.0730	Artist In Residence Program
50.0731	Ethnic Art History
50.0732	Art as a Multicultural Study
50.0700	Fine Arts, Other

DESIGN, COMMERCIAL/INDUSTRIAL

04.0511	Interior Design
04.0400	Environmental Design, Other
04.0500	Interior Design, Other
08.0121	Fashion Design and Illustration
48.0112	Mechanical Drawing 2
48.0113	Mechanical Drawing 3
48.0114	Mechanical Drawing 4
48.0211	Commercial Art 1
48.0212	Commercial Art 2
48.0213	Commercial Art, Cooperative
50.0271	Textile Design
50.0291	Printmaking
50.0723	Product Design
50.0281	Model Building

GRAPHICS

48.0221	Graphic Arts 1
48.0222	Graphic Arts 2
48.0223	Graphic Arts 3
48.0224	Graphic Arts 4
50.0411	Graphic Design
50.0800	Graphic Arts Technology, Other
50.0400	Design, Other

CRAFTS

50.0214	Crafts 10
50.0215	Crafts 11
50.0216	Crafts 12
50.0221	Crafts 11, Advanced
50.0222	Crafts 12, Advanced
50.0200	Crafts, Other
50.0722	Assemblage

JEWELRY AND METALWORK

50.0241	Enameling
50.0251	Jewelry

POTTERY AND CERAMICS

50.0263	Ceramics 9
50.0264	Ceramics 10
50.0265	Ceramics 11
50.0266	Ceramics 12

PAINTING/DRAWING/DESIGN

50.0714	Drawing
50.0715	Painting 1
50.0716	Painting 2
50.0717	Watercolor 1
50.0718	Cartooning
50.0719	Mural Painting
50.0724	Life Drawing
50.0725	Calligraphy

PHOTOGRAPHY/FILMMAKING

10.0151	Film Making and Production 1
10.0152	Film Making and Production 2
50.0622	Photography 11, Elementary
50.0623	Photography 12, Elementary
50.0631	Photography 11, Advanced
50.0632	Photography 12, Advanced

SCULPTURE

50.0720 Sculpture

EXPLORATORY, GENERAL BUSINESS

06.0111	Business Introduction
06.0131	Business, Independent Study
06.0141	Business Education, Cooperative
07.9900	Business and Office, Other
08.0311	Starting Your Own Business
08.0300	Entrepreneurship, Other
06.0100	Business and Management, Other General
37.0100	Personal Awareness, Other
37.0111	Personal Development Techniques

ACCOUNTING

06.1900	Taxation, Other
07.0121	Accounting 1
07.0122	Accounting 2
07.0131	Accounting, College
07.0141	Bookkeeping and Accounting 1
07.0142	Bookkeeping and Accounting 2
06.0200	Accounting, Other

BOOKKEEPING I

07.0111	Bookkeeping 1

BOOKKEEPING II, III, IV

07.0112	Bookkeeping 2
07.0100	Accounting, Bookkeeping, and Related Programs, Other

RECORDKEEPING

07.0151	Recordkeeping 1
07.0152	Recordkeeping 2

BUSINESS COMMUNICATIONS/CORRESPONDENCE

07.0412	Business English 2
07.0400	Office Supervision and Management, Other
07.0411	Business English 1

BUSINESS LAW

06.0121	Business Law

BUSINESS MACHINES, 1st/2nd YEAR

07.0161	Office Machines
07.0162	Office Machines, Vocational

CLERICAL PRACTICE/OFFICE WORK EXPERIENCE

06.0311	Financial Careers
06.0600	Human Resources Development, Other
08.0751	Cashier Checker Training

COMPUTER OPERATION/KEY PUNCH/DATA PROCESSING

07.0331	Business Computer Programming 1
07.0332	Business Computer Programming 2
07.0341	Keypunch Operator
07.0351	Data Entry Operator
07.0361	Keyboarding
07.0300	Business Data Processing and Related Programs, Other
07.0311	Computers in Business
07.0641	Word Processing 1
07.0642	Word Processing 2
07.0651	Reprographics
11.0111	Computer Apprecation
11.0131	Computer Applications
11.0132	Computer Applications, Independent Study

ECONOMICS/FINANCE/BUSINESS MANAGEMENT

45.0605	Insurance Theory
06.0300	Banking and Finance, Other
06.0511	Business Economics
06.0500	Business Economics, Other
06.1100	Labor Industrial Relations, Other
06.0411	Business Organization and Management
06.0700	Institutional Management, Other
06.0811	Insurance Careers
06.0800	Insurance and Risk Management, Other
06.0711	Hotel and Motel Management
06.0712	Hotel and Motel Training
06.0900	International Business Management, Other
06.1011	Investments and Taxation
06.1000	Investments and Securities, Other
06.1200	Management Information Systems, Other
06.1300	Management Science, Other
06.1600	Personnel Management, Other
06.1811	Small Business Management
06.1800	Small Business Management and Ownership, Other
06.2000	Trade and Industrial Supervision and Management, Other
06.9900	Business and Management, Other
08.0111	Fashion Merchandising
06.1221	Automotive Professional Training

45.0606	Investment Economics
45.0607	Television and Economics
07.0211	Bank Teller
07.0221	Financial Mathematics
07.0231	Bank Proof Operator
07.0200	Banking and Related Financial Programs, Other

MARKETING AND DISTRIBUTION

08.0711	Distributive Education 1
08.0712	Distributive Education 2
08.0713	Distributive Education 3
06.1411	Marketing Management and Decision Making
06.1400	Marketing Management and Research, Other
06.1711	Real Estate Marketing
06.1700	Real Estate, Other
08.0200	Business and Personal Services Marketing, Other
08.0400	Financial Services Marketing, Other
08.0511	Floral Sales
08.0500	Floristry, Farm and Garden Supplies Marketing, Other
08.0600	Food Marketing, Other
08.0700	General Marketing, Other
08.0800	Home and Office Products Marketing, Other
08.0900	Hospitality and Recreation Marketing, Other
08.1100	Transportation and Travel Marketing, Other
08.0771	Distributive Education, Independent Study
08.1211	Auto Parts Merchandising
08.1200	Vehicles and Petroleum Marketing, Other
08.9900	Marketing and Distributive, Other
09.0211	Advertising
09.0200	Advertising, Other
08.1000	Insurance Marketing, Other
08.1111	Tourism Services

RETAILING/WHOLESALING

08.0721	Distributive Education 1, Cooperative
08.0722	Distributive Education 2, Cooperative

SALESMANSHIP

08.0731	Salesmanship
08.0741	Retail Learning Laboratory

SHORTHAND FOR PERSONAL USE

32.0116	Speedwriting

SHORTHAND, 1st YEAR

07.0611	Shorthand 1

SHORTHAND, 2nd YEAR/ADVANCED

07.0612	Shorthand 2
07.0621	Transcription

SECRETARIAL PRACTICES

07.0631	Secretarial Administration I
07.0632	Secretarial Administration II
07.0661	Legal Office Procedures
07.0671	Medical Office Procedures
07.0600	Secretarial and Related Programs, Other
17.0541	Medical Records Secretary

TYPEWRITING FOR PERSONAL USE

07.0721	Typewriting, Personal

TYPEWRITING, 1st YEAR

07.0711	Typewriting I

TYPEWRITING, 2nd/3rd/4th YEAR

07.0712	Typewriting 2
07.0713	Typewriting 3

ENGLISH N.E.C.

23.0100	English, Other General
23.0413	Handwriting
32.0113	Language, Developmental
23.0142	Women In Literature
30.0721	Women's Studies In Literature
30.0700	Women's Studies, Other
32.0100	Basic Skills, Other

ENGLISH, GRADES 9 to 12

23.0106	English 1, Below Grade Level
23.0107	English 1
23.0108	English 1, Honors
23.1019	English 2, Below Grade Level
23.0110	English 2
23.0111	English 2, Honors
23.0112	English 3, Below Grade Level
23.0113	English 3
23.0114	English 3, Honors
23.0115	English 4, Below Grade Level
23.0116	English 4
23.0117	English 4, Honors

READING, DEVELOPMENTAL

23.0153	Reading, Independent Study
32.0109	Reading Development 1
32.0110	Reading Development 2
32.0111	Speed Reading
32.0118	English, Functional

SPELLING

23.0405	Spelling

LINGUISTICS

23.0611	Linguistics
23.0600	Linguistics, Other
42.1200	Psycholinguistics, Other
42.1300	Psychometrics, Other

GRAMMAR/VOCABULARY/SEMANTICS

23.0404	Vocabulary
23.0408	Grammar 9
23.0409	Grammar 10

23.0410	Grammar 11
23.0411	Grammar 12
23.0412	Etymology
32.0115	Word Study, Remedial

LITERATURE, SPECIFIC/N.E.C.

23.0136	Biography
23.9900	Letters, Other
23.0139	Themes in Literature
23.0145	Protest Literature
23.0147	Heroes
23.0149	Death
23.0151	Seminar in an Author

LITERATURE, AMERICAN

23.0135	Humor
23.0137	Non Fiction
23.0711	American Literature
23.0731	American Dream in Literature
23.0700	Literature, American, Other
23.0761	State Writers

LITERATURE, BIBLE/RELIGIOUS

23.0125	Bible as Literature
38.0208	Eastern Religious Thought
38.0211	Religion and Literature

LITERATURE, ENGLISH

23.0811	British Literature Survey
23.0800	Literature, English, Other
23.0831	Modern British Writers

LITERATURE, EASTERN/WESTERN/WORLD

23.0118	World Literature
23.0211	Mythological Literature, Greek and Roman
23.0200	Classics, Other
23.0771	Western Literature
23.0123	Irish Literature
23.0119	Renaissance Literature
23.0120	Romanticism
23.0121	Realism
23.0124	Russian Literature
23.0150	Nobel Prize Authors
23.0311	Comparative Literature
23.0300	Comparative, Literature, Other
23.0851	Satire, Modern British
23.0841	Victorian Literature

LITERATURE, BLACK AND OTHER ETHNIC

23.0141	Ethnic Literature
23.0721	Black Literature
23.0741	Folklore, American
23.0751	Indian Literature
23.0123	Irish Literature
23.0781	Mexican American Literature

LITERATURE, 20th CENTURY

23.0122	Literature, Contemporary

SHORT STORY

23.0131	Short Story

FICTION AND FANTASY/SCIENCE FICTION

23.0138	Science Fiction

POETRY

23.0133	Poetry
23.0134	Rock Poetry

THE NOVEL

23.0130	Novels

HORROR/SUSPENSE/MYSTERY

23.0132	Mysteries
23.0144	Occult Literature

LITERATURE FOR CHILDREN, ADOLESCENTS/ATHLETES

23.0143	Sports Through Literature
23.0145	Youth and Literature
20.0251	Teacher Aide

MYTH AND LEGEND

23.0126	Mythology and Fable
23.0861	Arthurian Legend

HUMANITIES

30.0411	Humanities
24.0111	Liberal Studies
24.0121	Summer Abroad
24.0131	Independent Study
24.0100	Liberal/General Studies, Other
30.0421	Humanities, European
30.0431	Humanities, American
30.0441	Humanities, African
30.0451	Humanities, Near East and Far East
30.0400	Humanities and Social Sciences, Other

PROBLEM SOLVING THROUGH LITERATURE/GREAT IDEAS

23.0152	English, Real Life Problem Solving
23.0140	Literature of Human Values
23.0148	Utopias
23.0414	Interpersonal Communication
30.0500	Peace Studies, Other
45.1025	Writings Influencing Government

COMPOSITION

23.0401	Composition, Expository
23.0402	Writing Laboratory
23.0400	Composition, Other
23.0900	Rhetoric, Other
23.0403	Writing about Literature
23.1111	Technical English
23.1100	Technical and Business Writing, Other

JOURNALISM/SCHOOL PUBLICATIONS

09.0411	Journalism 1
09.0412	Journalism 2
09.0413	Journalism 3
09.0400	Journalism (Mass Communications), Other
09.0421	Journalism Investigations
09.0431	Literary Magazine
09.0441	Yearbook Production 1
09.0442	Yearbook Production 2
09.0711	Broadcasting, Introduction
09.0721	Television and Taste
09.0700	Radio/Television, Other General

CREATIVE WRITING

23.0511	Creative Writing 10
23.0512	Creative Writing 11
23.0513	Creative Writing 12
23.0521	Creative Writing, Independent Study
23.0500	Creative Writing, Other

ARGUMENTATION AND DEBATE

23.1022	Speech 2
33.0131	Student Government
23.1031	Debate Practicum Contract

COMMUNICATION THEORY/SPEECH/DICTION

09.0300	Communications Research, Other
23.1011	Public Speaking
23.1021	Speech 1
23.1023	Speech 3
32.0112	Speech, Developmental
32.0114	Voice, Developmental
09.9900	Communications, Other

SPEECH AND PUBLIC SPEAKING I & II

23.1000	Speech, Debate, and Forensics, Other

SPEECH THROUGH MASS MEDIA

09.0111	Mass Media
09,0100	Communications, Other General
10.0111	World of Communications
10.0121	Communications Media Production
10.0141	Broadcast Management 1
10.0142	Broadcast Management 2
10.0143	Broadcasting Practicum

RADIO/TV AND FILM

09.0611	Broadcast Journalism
09.0600	Radio/Television News Broadcast, Other
50.0611	Film Study
50.0612	Language of the Cinema
50.0621	Photography 10
10.0161	Radio Production
10.0171	Television Production 1
10.0172	Television Production 2
10.0100	Communication Technologies, Other

INTRODUCTION TO THEATER/DRAMA

23.0127	Drama, Introduction
23.0128	World Drama
23.0129	Plays, Modern Survey
50.0500	Dramatic Arts, Other
50.0561	Drama, Independent Study
50.0551	Drama, History

ACTING/PLAY PRODUCTION/CREATIVE DRAMATICS

50.0511	Stagecraft 9
50.0512	Stagecraft 10
50.0513	Stagecraft 11
50.0514	Stagecraft 12
50.0521	Improvisation and Mime
50.0531	Playwriting
50.0541	Theater Practicum Contract
50.0421	Theater Makeup
50.0431	Lighting Fundamentals, Theater

DRAMATIC LITERATURE/SHAKESPEARE

23.0821	Shakespeare

LIBRARY AND MEDIA PRACTICES

25.0111	Library Science
23.0154	Research Technique
25.0100	Library and Archival Sciences, Other General
25.0200	Archival Science, Other
25.0311	Library Assistant
25.0300	Library Assisting, Other
25.0400	Library Science, Other
25.9900	Library and Archival Sciences, Other

EDUCATION (TEACHER TRAINING)

20.0211	Child Care Services
20.0221	Child Care Aide
20.0231	Child Care Management
20.0200	Child Care and Guidance Management and Services, Other
32.0117	Study Dynamics

GREEK/CLASSICAL LANGUAGES

16.0611	Modern Greek for Survival
16.0621	Modern Greek 1
16.0600	Greek, Other

LATIN, 1st YEAR

16.0921	Latin 1

LATIN, 2nd YEAR

16.0920	Latin 2

LATIN, 3rd YEAR

16.0922	Latin 3

LATIN, 4th/5th/6th YEAR/College Level

16.0923	Latin 4
16.0924	Latin Advanced Placement
16.0925	Foreign Language Contract, Latin

CHINESE, 1st/2nd/3rd/4th YEAR

16.0311	Cantonese 1
16.0312	Cantonese 2
16.0313	Cantonese 3
16.0321	Mandarin 1
16.0322	Mandarin 2
16.0323	Mandarin 3
16.0324	Mandarin 4
16.0325	Mandarin 5
16.0300	Asiatic Languages, Other

ENGLISH AS A FOREIGN LANGUAGE

16.0121	English as a Second Language 1
16.0122	English as a Second Language 2
16.0123	English as a Second Language 3
16.0124	English as a Second Language, Skills Lab
16.0100	Foreign Languages, Multiple Emphasis, Other

FRENCH, 1st YEAR

16.0903	French 1

FRENCH, 2nd YEAR

16.0904	French 2

FRENCH, 3rd YEAR

16.0905	French 3
16.0910	French, Conservational

FRENCH, 4th/5th/6th YEAR/COLLEGE LEVEL

16.0906	French 4
16.0907	French, Advanced Placement
16.0908	French Field-Based Experience
16.0909	Foreign Language Contract, French

GERMAN, 1st YEAR

16.0513	German 1

GERMAN, 2nd YEAR

16.0514	German 2

GERMAN, 3rd YEAR

16.0515	German 3

GERMAN, 4th/5th/6th YEAR/COLLEGE LEVEL

16.0516	German 4
16.0517	German, Advanced Placement
16.0518	German Field-Based Experience
16.0519	Foreign Language Contract, German

HEBREW, MODERN AND CLASSICAL

16.1111	Hebrew 1
16.1112	Hebrew 2
16.1113	Hebrew 3
16.1114	Hebrew 4
16.1100	Semitic Languages, Other
16.0541	Yiddish 1
16.0542	Yiddish 2
16.0543	Yiddish 3

ITALIAN, 1st YEAR

16.0913	Italian 1

ITALIAN, 2nd/3rd/4th/5th YEAR

16.0914	Italian 2
16.0915	Italian 3
16.0916	Italian 4
16.0917	Italian, Advanced Placement
16.0918	Italian Field-Based Experience
16.0919	Foreign Language Contract, Italian

JAPANESE, 1st YEAR

16.0331	Japanese 1

JAPANESE, 2nd/3rd/4th/5th YEAR

16.0332	Japanese 2
16.0333	Japanese 3
16.0334	Japanese 4
16.0335	Japanese 5

PORTUGUESE, 1st/2nd/3rd/4th YEAR

16.0926	Portuguese 1
16.0927	Portuguese 2
16.0928	Portuguese 3
16.0929	Portuguese 4
16.0930	Portuguese 5

RUSSIAN, 1st YEAR

16.0421	Russian 1

RUSSIAN, 2nd YEAR

16.0422	Russian 2

RUSSIAN, 3rd/4th/5th YEAR/COLLEGE LEVEL

16.0424	Russian 4
16.0425	Russian 5
16.0426	Russian 6
16.0427	Foreign Language Contract, Russian

SPANISH FOR NATIVE SPEAKING

16.0940	Spanish for Spanish Speakers

SPANISH, 1st YEAR

16.0933	Spanish 1

SPANISH, 2nd YEAR

16.0934	Spanish 2

SPANISH, 3rd YEAR

16.0935	Spanish 3

SPANISH, 4th/5th/6th YEAR/COLLEGE LEVEL

16.0936	Spanish 4
16.0937	Spanish, Advanced Placement
16.0938	Spanish Field-Based Experience
16.0939	Foreign Language Contract, Spanish
16.0941	Spanish for Travelers
16.0942	Spanish, Commercial

SWAHILI, 1st/2nd/3rd YEAR

16.0200	African (Non-Semitic) Languages, Other
16.0211	Swahili 1
16.0212	Swahili 2

GENERAL FOREIGN LANGUAGE

16.0111	Foreign Language, Exploratory
16.0900	Italic Languages, Other

SPECIFIC FOREIGN LANGUAGES, OTHER

16.0341	Hawaiian 1
16.0342	Hawaiian 2
16.0343	Hawaiian 3
16.0344	Hawaiian 4
16.0345	Hawaiian Language and Culture
16.0531	Korean 1
16.0532	Korean 2
16.0441	Polish 1
16.0442	Polish 2
16.0521	Norwegian 1
16.0522	Norwegian 2
16.0431	Czech 1
16.0432	Czech 2
16.0433	Czech 3
16.0351	Korean 1

16.0352	Korean 2
16.0353	Korean 3
16.0354	Korean 4
16.0355	Korean 5
16.0411	Ukrainian 1
16.0443	Polish 3
16.0444	Polish 4
16.0400	Balto-Slavic Languages, Other
16.0533	Swedish 3
16.0500	Germanic Languages, Other
16.0700	Indic Languages, Other
16.0800	Iranian Languages, Other
16.1000	Native American Languages, Other
16.9900	Italic Languages, Other

HEALTH, GRADES 9 to 12

34.0133	Health 9
34.0134	Health 10
34.0135	Health 11
34.0135	Health 12
26.0761	Pathology

HEALTH, PERSONAL AND FAMILY LIVING, SEX EDUCATION

34.0191	Sex Education
17.0400	Mental Health/Human Services, Other

FIRST AID

17.0211	First Aid

ALCOHOL, DRUGS AND TOBACCO

34.0141	Drugs Alcohol and Tobacco

ENVIRONMENTAL HEALTH

14.1400	Environmental Health Engineering, Other

HEALTH & PHYSICAL EDUCATION, GRADE 9

34.0113	Physical and Health Education 9

HEALTH & PHYSICAL EDUCATION, GRADE 10

34.0114	Physical Education 10

HEALTH & PHYSICAL EDUCATION, GRADE 11

34.0115	Physical Education 11

HEALTH & PHYSICAL EDUCATION, GRADE 12

34.0116	Physical Education 12

HEALTH AND SAFETY

34.0100	Health-Related Activities, Other
34.0171	Life Saving

PHYSICAL EDUCATION, ADAPTED

34.0121	Physical Education, Adaptive

BODY DYNAMICS/CONDITIONING/POSTURE/APPARATUS

36.0171	Conditioning and Athletics
36.0131	Gymnastics

DANCE, RHYTHMS AND DRAMATIC EVENTS

50.0331	Dance 9, Advanced
50.0332	Dance 10, Advanced
50.0333	Dance 11, Advanced
50.0334	Dance 12, Advanced
50.0341	Performing Dance Group 9
50.0342	Performing Dance Group 10
50.0343	Performing Dance Group 11
50.0344	Performing Dance Group 12
50.0351	Ballet and Jazz for Beginners 9
50.0352	Ballet and Jazz for Beginners 10
50.0353	Ballet and Jazz for Beginners 11
50.0354	Ballet and Jazz for Beginners 12
50.0371	Square Dance
50.0381	Aerobic Dance
50.0300	Dance, Other

MODERN DANCE/GYMNASTICS

50.0311	Modern Dance for Beginners 9
50.0312	Modern Dance for Beginners 10
50.0313	Modern Dance for Beginners 11
50.0314	Modern Dance for Beginners 12
50.0321	Modern Dance 9, Intermediate
50.0322	Modern Dance 10, Intermediate
50.0323	Modern Dance 11, Intermediate
50.0324	Modern Dance 12, Intermediate

INDIVIDUAL AND DUAL SPORTS/AQUATICS/SWIMMING

36.0111	Sports, Individual
36.0151	Track and Field
36.0161	Aquatics

TEAM SPORTS

36.0121	Sports, Team

RECREATION/LIFETIME SPORTS/HOBBIES

36.0100	Leisure and Recreational Activities, Other
36 0181	Motorcycle Operation
36.0191	Recreational Activities

LEADERSHIP/SCHOOL SUPPORT

34.0161	Physical Education Leadership Training
33.0121	Pep Squad
33.0141	Tutoring
36.0141	Drill Team
33.0131	Student Government
45.1028	Political Leadership

HOME ECONOMICS, N.E.C.

20.0151	Home Economics Occupations 1, Exploratory
20.0152	Home Economics Occupations 2, Exploratory
20.0153	Home Economics Laboratory Assistant
20.0154	Home Economics Leadership
20.0513	Interior Design Occupations
20.0521	Floral Design
20.0531	Home Decorating
20.0541	Home Furnishings Aide
20.0551	Custom Drapery and Window Treatment Design
20.0561	Custom Slipcovering and Upholstering
20.0571	Home-Service Assisting
20.0500	Home Furnishings and Equipment Management, Production, and Services, Other
20.0152	Home Economics Occupations 2, Exploratory
20.0153	Home Economics Laboratory Assistant
20.0241	Foster Care and Family Care

HOME ECONOMICS, 1st YEAR

20.0113	Home Economics 1

HOME ECONOMICS, 2nd YEAR

20.0114	Home Economics 2

HOME ECONOMICS, 3rd/4th YEAR

20.0115	Home Economics 3
20.0116	Home Economics 4

CHILD DEVELOPMENT

20.0122	Child Development 1
20.0123	Child Development 2
20.0125	Child Development 4

CLOTHING AND TEXTILES, 1st YEAR

20.0133	Clothing 1

CLOTHING AND TEXTILES, 2nd YEAR

20.0134	Clothing 2

CLOTHING AND TEXTILES, 3rd/4th YEAR

20.0135	Clothing 3
20.0136	Clothing 4
20.0137	Tailoring

CONSUMER EDUCATION

20.0141	Consumer Education 1
20.0142	Consumer Education 2
20.0118	Comprehensive Consumer and Homemaking Home Economics, Independent Study

FAMILY RELATIONS

20.0117	Adult Roles and Functions
20.0172	Marriage Society and Change
20.1073	Parenthood
20.0124	Child Development 3
35.0111	Interpersonal Relationships
35.0121	Building Human Relationships

NUTRITION

20.0188	Nutrition

FOODS, 1st/2nd YEAR

20.0183	Foods 1
20.0184	Foods 2

FOODS, 3rd/4th YEAR

20.0185	Foods 3
20.0186	Foods 4
20.0197	International Foods
20.0461	Dietetic Aide
20.0471	Food Testing
20.0481	School Food Service
20.0400	Food Production, Management and Services, Other

HOME MANAGEMENT

20.0191	Home Management 1
20.0192	Home Manage
20.0100	Consumer and Homemaking Home Economics, Other
32.0101	Recordkeeping, Personal

HOUSING AND HOME FURNISHINGS

20.0511	Housing and Interior Design 1
20.0512	Housing and Interior Design 2

HEALTH AND HOME NURSING

20.0161	Family Health 1
20.0162	Family Health 2

10. INDUSTRIAL ARTS

GENERAL INDUSTRIAL ARTS, 1st YEAR

21.0103	Industrial Arts 1

GENERAL INDUSTRIAL ARTS, 2nd YEAR

21.0104	Industrial Arts 2

GENERAL INDUSTRIAL ARTS 3rd/4th YEAR

21.0105	Industrial Arts 3
21.0106	Industrial Arts 4
20.0109	Industrial Occupations 1
21.0111	Industrial Cooperative Work Experience
21.0112	Industrial Cooperative Work Experience, Advanced
21.0125	Industrial Education on Management Trainee
21.0126	Industrial Arts Research
15.0211	Surveying
21.0100	Industrial Arts, Other
48.0231	Sign Painting
48.0241	Bindery

HOME MECHANICS

46.0411	Building Construction 1
46.0412	Building Construction 2
46.0441	Home Maintenance and Repair

BUILDING AND CONSTRUCTION

46.9900	Construction Trades, Other
30.0311	Engineering Concepts
30.0300	Engineering and Other Disciplines, Other

CARPENTRY/WOODWORKING

46.0211	Carpentry 1
46.0212	Carpentry 2
46.0213	Carpentry 3
46.0200	Carpentry, Other
48.0711	Woodworking 1
48.0712	Woodworking 2
48.0713	Woodworking 3
48.0714	Woodworking 4
48.0731	Cabinetmaking 1
48.0721	Furniture Refinishing

LEATHER/TEXTILES/UPHOLSTERY

48.0311	Leatherwork 1
48.0312	Leatherwork 2
48.0321	Upholstery
48.0322	Upholstery, Advanced
48.0331	Auto Upholstery
48.0300	Leatherworking and Upholstering, Other

PLASTICS

48.0611	Plastics 1
48.0612	Plastics 2
48.0600	Precision Work, Assorted Materials, Other

DRAFTING/DRAWING, OTHER SPECIALIZED DRAWING

48.0131	Engineering Drawing 1
48.0132	Engineering Drawing 2
48.0151	Drafting 1, Cooperative
48.0152	Drafting 2, Cooperative
48.0100	Drafting, Other

ELECTRICITY/ELECTRONICS

21.0113	Electricity 1
21.0114	Electricity 2
21.0115	Electronics 1
21.0116	Electronics 2
21.0117	Electronics 3
21.0118	Electronics 4
21.0119	Electricity and Electronics, Introduction
21.0120	Electricity and Electronics, Advanced
47.0121	Radio and TV Repair 1
47.0111	Small Appliance Repair

INDUSTRIAL MATERIALS/TECHNOLOGY/PROCESSES

15.0421	Instrumentation Technology
15.0611	Industrial Production Technology
15.0621	Chemical Manufacturing Technology
21.0108	Industrial Production

METALWORKING, GRADES 9-12, AND FOUNDRY

48.0511	Metal 1
48.0512	Metal 2
48.0513	Metal 3
48.0514	Metal 4
48.0531	Sheet Metal 1

48.0532	Sheet Metal 2
48.0551	Foundry 1
48.0552	Foundry 2

WELDING

48.0521	Welding 1
48.0522	Welding 2
48.0523	Welding 3

AUTOMOTIVE MECHANICS

47.0621	Auto Mechanics 1
47.0622	Auto Mechanics 2
47.0623	Auto Mechanics 3

POWER/AUTOMOTIVE MECHANICS

47.0511	Power Mechanics 1
47.0512	Power Mechanics 2
47.0513	Power Mechanics 3
47.0514	Power Mechanics 4
47.0611	Small Engine Repair 1
47.0612	Small Engine Repair 2

GENERAL MATH, N.E.C.

27.0100	Mathematics, Other General
27.0112	Mathematics Review
27.0113	Mathematics Tutoring
27.9900	Mathematics, Other

GENERAL MATH, GRADE 9-12, ELEMENTARY/ADVANCED

27.0105	Mathematics, Basic
27.0106	Mathematics 1, General
27.0107	Mathematics 2, General
27.0400	Pure Mathematics, Other
32.0108	Mathematics for Employment
27.0109	Mathematics in the Arts

PRE-ALGEBRA

27.0401	Pre-Algebra

ALGEBRA, ELEMENTARY

27.0402	Algebra 1, Part 1
27.0403	Algebra 1, Part 2
27.0404	Algebra 1

ALGEBRA, INTERMEDIATE

27.0405	Algebra 2
27.0415	Algebra and Analytic Geometry

ALGEBRA, ADVANCED/TRIGONOMETRY

27.0414	Algebra and Trigonometry
27.0111	Technical Mathematics
27.0421	Mathematics 1, Unified
27.0422	Mathematics 2, Unified
27.0423	Mathematics 3, Unified

APPLIED MATHEMATICS, BUSINESS/SHOP

07.0171	Business Mathematics 1
07.0172	Business Mathematics 2
27.0108	Science Mathematics
27.0110	Mathematics, Vocational
27.0300	Applied Mathematics, Other

CONSUMER MATHEMATICS

27.0114	Consumer Mathematics

COMPUTER MATHEMATICS

11.0121	Computer Mathematics 1
11.0122	Computer Mathematics 2
11.0100	Computer and Information Sciences, Other General
11.0141	Computer Science, Advanced Placement
27.0424	Mathematics, Independent Study

GEOMETRY, PLANE/SOLID

27.0406	Geometry, Plane
27.0407	Geometry, Solid
27.0408	Geometry
27.0409	Geometry, Informal
27.0412	Analytic Geometry

MATH ANALYSIS/ELEMENTARY FUNCTIONS

27.0416	Analysis, Introductory

PROBABILITY AND STATISTICS

27.0511	Statistics
27.0521	Probability
27.0531	Probability and Statistics
27.0500	Statistics, Other
27.0200	Actuarial Sciences, Other

TRIGONOMETRY

27.0411	Trigonometry
27.0413	Trigonometry and Solid Geometry

COLLEGE LEVEL MATHEMATICS/COLLEGE ALGEBRA/LINEAR ALGEBRA

27.0410	Algebra 3
27.0417	Linear Algebra

CALCULUS/ANALYTIC GEOMETRY

27.0418	Calculus and Analytic Geometry
27.0419	Calculus
27.0420	Calculus, Advanced Placement

GENERAL MUSIC

50.0966	Music, Independent Study
50.0900	Music, Other
50.9900	Visual and Performing Arts, Other

MUSIC APPRECIATION

50.0955	Music History 9
50.0956	Music History 10
50.0957	Music History 11
50.0958	Music History 12
50.0959	Music Literature 9
50.0960	Music Literature 10
50.0961	Music Literature 11
50.0962	Music Literature 12
50.0963	Music Appreciation
50.0964	Folk Music, Ethnic

THEORY AND HARMONY/COMPOSITION

50.0952	Music Theory
50.0934	Music Lessons, Applied
50.0949	Harmony and Composition
50.0950	Arranging
50.0951	Conducting

CHOIR, CHORUS, GLEE CLUB

50.0939	Chorus 9
50.0940	Chorus 9, Advanced
50.0941	Chorus 10
50.0942	Chorus 10, Advanced
50.0943	Chorus 11
50.0944	Chorus 11, Advanced
50.0945	Chorus 12
50.0946	Chorus 12, Advanced
50.0947	Vocal Ensemble
50.0948	Voice Class
50.0965	Music Theater

INSTRUMENTAL MUSIC

50.0925	Electronic Music, Introduction
50.0926	Ensemble, Instrumental
50.0927	Guitar, Beginning
50.0928	Guitar, Intermediate
50.0929	Guitar, Advanced

50.0930	Handbells
50.0931	Piano 1
50.0932	Piano 2
50.0933	Organ

BAND (MARCHING/CONCERT/STAGE)

50.0907	Band 9
50.0908	Band 9, Advanced
50.0909	Band, Concert
50.0910	Band, Marching
50.0911	Band, Symphonic

ORCHESTRA

50.0916	Orchestra 9
50.0917	Orchestra 9, Advanced
50.0918	Orchestra 10
50.0919	Orchestra 11
50.0920	Orchestra 12

SMALL INSTRUMENTAL ENSEMBLES

50.0921	Instrumental String Class
50.0922	Brass and Percussion Class
50.0923	Wind Ensemble
50.0924	Woodwind Class

GENERAL SCIENCE, GRADES 9 to 12

33.0111	Student Assistant
30.0111	Science Unified
30.0121	Science Study, Independent

BIOLOGICAL SCIENCES, N.E.C.

26.0171	Biopsychology
26.0411	Cell Biology
26.0400	Cell and Molecular Biology, Other
26.0621	Marine Biology
26.0622	Marine Biology, Advanced
26.0200	Biochemistry and Biophysics, Other
26.0211	Biochemistry

ANATOMY/ANTHROPOLOGY/GENETICS

26.0631	Anatomy
26.0752	Physiology, Advanced
26.0161	Genetics

ECOLOGY/ENTOMOLOGY/CONSERVATION

26.0611	Ecology
30.0131	Outdoor Education

PHYSIOLOGY/BIOPHYSICS

26.0751	Physiology, Human

TECHNICAL APPLICATIONS/APPLIED BIOLOGY

26.0151	Field Biology
41.0100	Biological Technologies, Other

ZOOLOGY

26.0711	Zoology
26.0721	Zoology, Vertebrate
26.0731	Zoology, Invertebrate
26.0741	Animal Behavior
26.0700	Zoology, Other

BOTANY

26.0311	Botany
26.0300	Botany, Other
26.0100	Biology, Other General

BIOLOGY I/COLLEGE LEVEL/MICROBIOLOGY

26.0121	Biology, Basic
26.0131	Biology, General
26.0141	Biology, College Preparatory
26.0142	Biology, Advanced
26.0181	Biology Seminar
26.0511	Microbiology
26.0500	Microbiology, Other
30.0100	Biological and Physical Sciences, Other

LIFE SCIENCE

26.0600	Miscellaneous Specialized Areas, Life Sciences, Other
26.9900	Life Sciences, Other

PHYSICAL SCIENCE, 1st/2nd YEAR

40.0121	Physical Science
40.0141	Physical Science, Applied
40.0100	Physical Sciences, Other General
40.9900	Science Technologies, Other
40.0131	Chemistry and Physics
41.0300	Physical Science Technologies, Other
41.9900	Science Technologies, Other

CHEMISTRY, I/II/APPLIED/STUDY

40.0511	Chemistry, Introductory
40.0521	Chemistry 1
40.0522	Chemistry 2
40.0500	Chemistry, Other
40.0531	Organic Chemistry
40.0541	Physical Chemistry
40.0551	Consumer Chemistry
40.0561	Chemistry, Independent Study

CHEMISTRY AND PHYSICS, COLLEGE LEVEL

40.0821	Physics 1

PHYSICS, 1st/2nd YEAR

40.0811	Physics, General
40.0822	Physics 2
40.0800	Physics, Other

41.0200	Nuclear Technologies, Other
40.0831	Physics 2 without Calculus
40.0851	Acoustics

ELECTRICITY/ELECTRONICS/APPLIED PHYSICS

40.0841	Electricity and Electronics Science

EARTH-SPACE SCIENCES/METEROLOGY/ASTRONOMY

40.0611	Earth Science
40.0411	Meterology
40.0400	Atmospheric Sciences and Meterology, Other
40.0211	Astronomy
40.0200	Astronomy, Other

AERONAUTICS

49.0111	Aeronautics 1
49.0112	Aeronautics 2

EARTH SCIENCES

40.0621	Earth Science, College Preparatory
40.0641	Mineralogy

SPACE SCIENCE

40.0911	Rocketry and Space Science
40.0900	Planetary Science, Other

GEOLOGY

40.0631	Geology
40.0600	Geological Sciences, Other

OCEANOGRAPHY

40.0711	Oceanography
40.0700	Miscellaneous Physical Sciences, Other

ANTHROPOLOGY/ARCHAEOLOGY

45.0241	Cultural Anthropology, Research
45.0200	Anthropology, Other
45.0311	Archaeology
45.0300	Archaeology, Other
45.0221	Comparative Cultural Patterns
45.0211	Anthropology
45.0231	Anthropology, Myth and Magic

ACCULTURATION/WORLD CULTURES

05.0114	World Studies 1
05.0115	World Studies 1
05.0116	World Studies, Honors
05.0117	Comparative World Cultures

AREA STUDIES, N.E.C./OTHER SPECIFIED

05.0100	Area Studies, Other
05.0101	Area Studies
05.0110	Anglo America
05.0138	Global Education
05.9900	Area and Ethnic Studies, Other
45.9900	Social Sciences, Other
30.9900	Multi/Interdisciplinary Studies, Other
45.0833	Mexican History
45.0834	South American History
05.0137	Neglected World

AREA STUDIES AND HISTORY, AFRICAN

05.0122	African Area Studies
05.0129	Asia, Africa and Mideast
05.0130	Africa and Middle East
45.0857	Third World History
45.0858	African History
45.0859	Africa, Middle East and Latin America
05.0123	Africa and South America

AREA STUDIES, ASIAN/ORIENTAL

05.0127	Asian Studies
05.0128	History of China
05.0132	Middle East, War of Survival

AREA STUDIES, EUROPEAN

05.0118	European Culture Studies, Basic
05.0119	European Culture Studies, General
05.0120	European Culture Studies, Honors

AREA STUDIES, ASIAN AND AFRICAN/MID EASTERN

05.0124	Asian and African Cultural Studies, Basic
05.0125	Asian and African Cultural Studies, General
05.0126	Asian and African Cultural Studies, Honors
05.0131	Middle Eastern Studies
45.0861	Middle East History

AREA STUDIES AND HISTORY, RUSSIAN

05.0133	USSR
05.0134	Soviet Union and China
05.0135	Soviet Union and Afro American Developing Nations
05.0136	History of Russia
45.0867	Russian History

AREA STUDIES, AMERICAN

05.0102	American Studies, Basic
05.0103	American Studies, General
05.0104	America's People and Problems
05.0105	American Studies, Honors
05.0108	American West
05.0109	Southwest United States
05.0111	North America and Current Events
05.0106	New England Studies
05.0107	Old South
05.0112	North and South America

AREA STUDIES AND HISTORY, LATIN AMERICAN

05.0113	Latin America
45.0860	Latin American History

CONSERVATION

03.0211	Conservation and Regulation
03.0200	Conservation and Regulation, Other

ENVIRONMENTAL EDUCATION

30.0621	Environmental Science
30.0631	Energy and Environment
30.0600	Systems Science, Other

ECONOMICS

45.0601	Economics, Theory
45.0610	Economics, Analysis and Criticism
45.0606	Investment Economics
45.0608	Energy Education
45.0611	Economics, College
45.0600	Economics, Other

CONSUMER ECONOMICS

45.0603	Consumer Economics
45.0604	Filing Your Income Taxes

ECONOMICS PROBLEMS/HISTORY

21.0107	Industry and Technology
45.0602	Economics and Economic Problems

GEOGRAPHY, HUMAN AND CULTURAL

45.0709	Human and Cultural Geography
45.0511	Population Education
45.0500	Demography, Other

GEOGRAPHY, POLITICAL/ECONOMIC

45.0704	World Geography

GEOGRAPHY, PHYSICAL

45.0700	Geography, Other
45.0707	Physical Geography

GEOGRAPHY, REGIONAL

45.0702	Geography, United States
45.0703	Geography, North American
45.0705	Geography, Western Hemisphere and Africa
45.0706	Geography, Eastern Hemisphere
45.0708	Economic and Political Geography
45.0710	Field Geography, Honors

HISTORY, N.E.C./COLLEGE LEVEL

45.0800	History, Other
45.0869	Historical Research
45.0609	American Labor History

HISTORY, AMERICAN AND WORLD BACKGROUNDS

45.0809	American History, Basic
45.0810	American History
45.0814	American History, Advanced Placement
45.0832	North American History

HISTORY, MODERN EUROPEAN

45.0852	Modern European

HISTORY, STATE, GRADES 9-12

45.0807	United States History, State and Local
45.0808	United States History, Advanced Placement

HISTORY, UNITED STATES, GRADES 9-12

45.0811	United States History 1
45.0812	United States History 2
45.0813	United States History, Honors
33.0161	United States History, Remedial
45.0815	Westward Movement
45.0816	Twentieth Century America
45.0817	Twenties and Thirties
45.0818	America Since 1945
45.0819	Nineteen Sixties
45.0820	Nineteen Seventies
45.0821	Reform in American History
45.0822	American Inquiries
45.0823	Historic Events, United States
45.0824	American Wars, Causes and Effects
45.0825	Civil War
45.0826	Civil War, Reconstruction and Industrialism
45.0827	War and Modern Consciousness
45.0828	World War II
45.0829	United States Military History 1
45.0830	United States Military History 2
45.0831	United States History, Field Study

AFRO-AMERICAN STUDIES/BLACK HISTORY

05.0231	Afro American Studies
05.0241	Economics of Afro Americans

AMERICAN INDIAN PROBLEMS/HISTORY

05.0251	Indians of North America

WESTERN CIVILIZATION/HISTORY

45.0835	World History
45.0836	World History, College
45.0837	World History, Modern
45.0838	World Civilization, Twentieth Century
45.0839	World Civilization, Twentieth Century, Honors
45.0840	Western Civilization 9
45.0841	Western Civilization 9, Honors
45.0842	Western Civilization, History
45.0843	Early Western Civilization
45.0844	Western Civilization, Advanced Placement
45.0849	English History
45.0850	English History, Honors
45.0853	European History, Mid-Nineteenth Through Mid-Twentieth Centuries, Advanced Placement
45.0855	European History, Advanced Readings
45.0856	European History, Modern, Advanced Placement
45.0868	World Leaders, Past and Present
45.0851	French Revolution, Honors

NON-WESTERN CIVILIZATIONS/HISTORY

45.0863	Eastern Civilization
45.0866	Pacific Lands, History
05.0121	Developing Nations

ORIENTAL HISTORY

45.0864	Far East, History
45.0865	Asian History, Modern

ANCIENT/MEDIEVAL HISTORY

45.0846	Ancient Greek History
45.0847	Rome and Her Empire
45.0848	Ancient History and Middle Ages

HUMANITIES AND PHILOSOPHY

38.0111	Philosophy
38.0121	Ethics
30.0611	Futuristics
38.0141	Epistemics
38.0151	Social Justice Issues
38.0100	Philosphy, Other
38.0131	Logic

AMERICAN GOVERNMENT

45.1004	American Government
45.1005	Presidency

45.1009	Elections, Politics, and Morality, Honors
45.1011	American Foreign Policy
45.1012	Decision Making in a Crisis
45.1013	American Heritage, Honors
45.1016	American Government and Economics, Basic
45.1017	American Government and Economics
45.1018	American Government and Economics, Honors
45.1019	Comparative Political Systems, Basic
45.1026	Government Internship
45.1027	Model Senate
45.1000	Political Science and Government, Other

U.S. CONSTITUTION

45.1006	Framework of the Constitution

PROBLEMS OF DEMOCRACY

45.1003	Government, Basic

STATE GOVERNMENT

45.1002	State and Local Government
44.0100	Public Affairs, Other General
44.0200	Community Services, Other
44.0300	International Public Service, Other
44.0400	Public Administration, Other
44.0500	Public Policy Studies, Other
44.0600	Public Words, Other
44.0711	Human Services
44.0700	Social Work, Other
44.9900	Public Affairs, Other

COMMUNITY CIVICS

45.1001	Civics
32.0119	Contemporary Issues, Basic Skills
45.1014	Contemporary American Political Issues
45.1015	Contemporary American Political Issues, Honors

BASIC AMERICAN LAW

22.0111	Law Fundamentals
22.0121	Law and You
22.0100	Law, Other
45.1007	Individual vs. State

COMPARATIVE SYSTEMS

45.1020	Comparative World Governments
45.1021	Americanism vs. Communism

CURRENT EVENTS

45.1010	Contemporary World Affairs
45.1024	Civics, Honors

INTERNATIONAL RELATIONS

45.0911	International Relations
45.0921	International Relations, Honors
45.0931	International Law
45.0941	Model Security Council, Local
45.0951	Model United Nations, Local
45.0952	Model United Nations, National
45.1022	Americanism vs. Communism, Honors
45.0900	International Relations, Other

POLITICAL THEORY/POLITICAL SCIENCE

45.1023	Communism and its Growth
45.1029	Political Science
45.1030	Political Science, Advanced Placement

HUMAN RELATIONS

42.1021	Humanistic Psychology
42.1000	Personality Psychology, Other
06.1500	Organizational Behavior, Other
07.0500	Personnel and Training Programs, Other
09.0500	Public Relations, Other
37.0121	Coping with Personal Problems
37.0131	Self Perception
37.0100	Personal Awareness, Other

PSYCHOLOGY

42.0100	Psychology, Other General
42.0112	Psychology, Advanced
42.0700	Developmental Psychology, Other
42.0731	Adjustment Psychology
42.0200	Clinical Psychology, Other
42.0311	Psychology of Learning
42.0321	Educational Psychology
42.0300	Cognitive Psychology, Other
42.0400	Community Psychology, Other
42.0500	Comparative Psychology, Other
42.0600	Counseling Psychology, Other
42.0711	Child Psychology

42.0721	Adolescent Psychology
42.0800	Experimental Psychology, Other
42.0900	Industrial and Organizational Psychology, Other
42.1011	Historical Personalities and Ideas
42.1411	Psychopharmacology
42.1400	Psychopharmacology, Other
42.1500	Quantitative Psychology, Other
42.0111	Psychology
42.1100	Psyciological Psychology, Other
42.9900	Psychology, Other
42.1611	Social Psychology

SOCIOLOGY/SOCIAL ORGANIZATION

45.0111	Social Science, Introduction
45.0121	Social Science, Advanced Theory and Research
45.0131	Social Science Seminar
45.0141	Social Studies, Independent Study
45.0100	Social Science, Other General
45.1008	National State and Local Elections
45.1121	Sociology, General
45.1131	Sociology, Issues
45.1100	Sociology, Other
45.1171	Sociology, Honors
45.1181	Sociology, Research
20.0171	Family Relations
45.1141	Mobility in Society

SOCIOLOGY, URBAN

45.1211	Urban Problems
45.1221	Urban Ecology
45.1231	Technology and Urbanization
45.1200	Urban Studies, Other

SOCIAL PROBLEMS/CRIMINOLOGY

45.1111	American Social Problems, Introduction
45.1151	Violence in America
45.1161	Death and Dying
45.0400	Criminology, Other

RACIAL AND MINORITY PROBLEMS

05.0211	Minorities in America
05.0221	Ethnic and Family Heritage
05.0261	Jewish Historical Significance
05.0271	Mexican American Heritage
05.0281	Hawaiiana
05.0291	Hawaiian Culture Studies, Modern
05.0200	Ethnic Studies, Other
30.0711	Women's Studies
45.0862	Isreal, History

RELIGION, COMPARATIVE AND BIBLE HISTORY

38.0203	Scripture
38.0206	Comparative Religion
38.0210	Western Religions
38.0200	Religion, Other
38.9900	Philosophy and Religion, Other
38.0201	Catholicism, Foundations
38.0202	Who is Jesus
38.0204	Moral Issues, Social and Individual
38.0205	Marriage, Life Choices in Christian Living
38.0207	Sacraments
38.0209	Religion and Psychology
38.0212	Religion, Introduction
38.0213	Prayer and Liturgy
38.0214	Judaism, Foundations
39.0611	Theological Studies
39.0600	Theological Studies, Other
45.9900	Social Sciences, Other

INTERGROUP (COMMUNITY) RELATIONS

33.0151	Community Service
33.0100	Citizenship/Civic Activities, Other
35.0111	Interpersonal Relationships
35.0121	Building Human Relationships
35.0100	Interpersonal Skills, Other

CAREER EDUCATION/OCCUPATIONAL GUIDANCE

32.0102	Career Preparation
32.0103	Career Exploration
32.0104	Work Experience
32.0105	Work Experience, Advanced
32.0106	Cooperative Education 1
32.0107	Cooperative Education 2

TRADES AND INDUSTRY N.E.C./OTHER SPECIFIED

03.0311	Waterman Occupations
03.0300	Fishing and Fisheries, Other
08.0321	Junior Achievement
08.0761	Warehousing Industrial and Wholesale Material Handling
43.0111	Law Enforcement
47.0151	Business Machine Repair
49.0321	Boat Building
12.0211	Sports Officiating
12.0200	Entertainment Services, Other
12.0300	Funeral Services, Other
12.9900	Consumer, Personal, and Misc. Services, Other
43.0121	Law Science
43.0100	Criminal Justice, Other
43.0211	Fire Fighting Practices
43.0221	Fire Safety Education
43.0200	Fire Protection, Other
43.9900	Protective Services, Other
47.0100	Electrical and Electronics Equipment Repair, Other
47.0411	Musical Instrument Repair
47.0421	Instrument Maintenance and Repair
47.0400	Miscellaneous Mechnics and Repairers, Other
47.9900	Mechanics and Repairers, Other
48.9900	Precision Production, Other
49.0211	Forklift Operator
49.0200	Vehicle and Equipment Operation, Other
49.0311	Marine Mechanics, Basic
49.0312	Marine Mechanics, Advanced
49.0321	Boat Building
49.0331	Navigation
49.0300	Water Transportation, Other
21.0110	Industrial Occupations 2
49.9900	Transportation and Material Moving, Other

GRAPHIC ARTS

10.0131	Photography, Commercial
10.0132	Photography, Advanced Commercial

TEXTILE/LEATHER PRODUCTION/FABRICATION

47.0431	Shoe Repair and Orthopedics
12.0111	Dry Cleaning
12.0100	Dry Cleaning and Laundering Services, Other
20.0311	Clothing Occupations 1
20.0312	Clothing Occupations 2
20.0313	Clothing Occupations 3
20.0321	Clothing Maintenance Aide
20.0331	Commercial Garment and Apparel Construction
20.0341	Customer Apparel Construction
20.0351	Custom Tailoring and Alteration

20.0361	Wedding and Speciality Consulting
20.0371	Fashion and Fabric Coordination
20.0381	Textiles Testing
20.0391	Clothing Production Management
20.0300	Clothing, Apparel, and Textiles Management, Production, and Services, Other

ELECTRICITY, 1st YEAR

47.0131	Appliance Repair 1
47.0132	Appliance Repair 2
47.0141	Vending Machine Repair

ELECTRICITY, 2nd/3rd/4th YEAR/SMALL ENGINE REPAIR

46.0311	Housewiring 1
46.0312	Housewiring 2
46.0321	Electric Power and Communications Lineworker
46.0300	Electrical and Power Transmission Installation, Other
47.0161	Industrial Electricity

ELECTRONICS, 2nd/3rd/4th YEAR

47.0122	Radio and TV Repair 2
47.0123	Radio and TV Repair 3
47.0171	Industrial Electronics

BODY-FENDER MECHANICS, 1st/2nd YEAR

47.0631	Auto Body 1
47.0632	Auto Body 2

AUTOMOTIVE MECHANICS 1st/2nd YEAR/DIESEL

47.0641	Auto Service 1
47.0642	Auto Service 2
47.0321	Diesel Mechanics
47.0651	Consumer Auto
47.0600	Vehicle and Mobile Equipment Mechanics and Repairers, Other

AVIATION AND AIRCRAFT MECHANICS (AIRFRAME)

47.0661	Airframes 1
47.0662	Airframes 2
49.0121	Aviation Technology
49.0100	Air Transportation, Other
47.0671	Aviation Powerplant 1
47.0672	Aviation Powerplant 2
47.0681	Aviation Quality Control 1
47.0682	Aviation Quality Control 2

MASONRY

46.0111	Masonry 1
46.0112	Masonry 2
46.0121	Tile Setting and Plastering
46.0100	Brickmasonry, Stonemasonry, and Tile Setting, Other

CONSTRUCTION/MAINTENANCE TRADES

20.0611	Custodial Services
46.0421	Paintng and Decorating
46.0511	Plumbing 1
46.0512	Plumbing 2
46.0500	Plumbing, Pipefitting, and Steamfitting, Other
47.0211	Air Conditioning, Refrigeration, and Heating
47.0212	Air Conditioning, Refrigeration, and Heating, Advanced
47.0200	Heating, Air Conditioning, and Refrigeration Mechanics, Other
47.0311	Industrial Mechanics 1
47.0312	Industrial Mechanics 2
47.0300	Industrial Equipment Maintenance and Repair, Other
47.0500	Stationary Energy Sources, Other
48.0141	Blueprint Reading
46.0431	Building Maintenance
46.0400	Miscellaneous Construction Trades, Other
47.0521	Hydraulics and Pneumatics

WOODWORKING, 2nd/3rd/4th YEAR/CABINETMAKING

48.0732	Cabinetmaking 2
48.0700	Woodworking, Other

DRAFTING/MECHANICAL DRAWING, 1st/2nd YEAR

48.0121	Architectural Drawing 1
48.0122	Architectural Drawing 2
48.0123	Architectural Drawing 3
48.0124	Architectural Drawing 4
48.0111	Mechanical Drawing 1

MACHINE SHOP

21.0121	Machine Shop 1
21.0122	Machine Shop 2
21.0123	Machine Shop 3
21.0124	Machine Shop 4

SHEET METAL, 1st/2nd YEAR

47.0691	Aircraft Sheetmetal 1
47.0692	Aircraft Sheetmetal 2

METALWORKING, 1st/2nd/3rd YEAR AND FOUNDRY

14.2000	Metallurgical Engineering, Other
48.0541	Metal Restoration
48.0500	Precision Metal Work, Other

COSMETOLOGY, 1st/2nd/3rd YEAR AND BARBERING

12.0411	Cosmetology
12.0412	Cosmetology 2
12.0413	Cosmetology 3
12.0431	Personal Services Occupations
12.0421	Barbering 1
12.0422	Barbering 2
12.0423	Barbering 3
12.0400	Personal Services, Other

COOK-CHEF

20.0411	Food Service Training 1
20.0412	Food Service Training 2
20.0421	Food Service Cooperative Training
20.0431	Baking
20.0441	Chef
20.0451	Catering
48.0411	Meatcutting
48.0400	Precision Food Production, Other

VOCATIONAL GROUP GUIDANCE/EXPLORATORY

01.0311	Agricultural Production, General
01.0211	Agricultural Mechanics, General
01.0212	Agricultural Mechanics 2
01.0213	Agricultural Mechanics 3
01.0214	Agricultural Mechanics 4
02.0121	Agricultural Occupations 1
02.0122	Agricultural Occupations 2
02.0123	Agricultural Occupations 3
02.0124	Agricultural Occupations 4
02.0100	Agricultural Sciences, Other General
07.0731	Office Procedures 1
07.0732	Office Procedures 2
07.0733	Simulated Office
07.0741	Office Education 1, Cooperative
07.0742	Office Education 2, Cooperative
17.0511	Health Occupations 1
17.0521	Health Occupations 2
07.0700	Typing, General Office, and Related Programs, Other
07.0321	Office Procedures 1
07.0322	Office Procedures 2

21. SAFETY AND DRIVER EDUCATION

DRIVER EDUCATION, CLASSROOM INSTRUCTION

34.0151 Driver Education, Classroom

PRACTICE DRIVING, INCLUDING SIMULATION

34.0152 Driver Education, Practice

SAFETY, ALL GRADES

34.0181 Safety

CIVIL DEFENSE

28.0121 Civil Air Patrol

22. JUNIOR R.O.T.C.

JR. R.O.T.C., NAVAL SCIENCE

28.0111	Aerospace Education 1
28.0112	Aerospace Education 2
28.0113	Aerospace Education 3
28.0121	Civil Air Patrol
28.0100	Aerospace Science (Air Force), Other
28.0200	Coast Guard Science, Other
28.0311	Army Leadership Development, Introduction
28.0312	Army Intermediate Leadership Development
28.0313	Army Applied Leadership Development
28.0314	Army Advanced Leadership Development
28.0300	Military Science (Army), Other
28.0411	Naval Science 1
28.0412	Naval Science 2
28.0413	Naval Science 3
28.0414	Naval Science 4
28.0421	Marine Corps Leadership Education 1
28.0422	Marine Corps Leadership Education 2
28.0423	Marine Corps Leadership Education 3
28.0424	Marine Corps Leadership Education 4
28.0400	Naval Science (Navy, Marines), Other
28.9900	Military Sciences, Other
29.0100	Military Technologies, Other

30.COMPUTER PROGRAMMING

COMPUTER AND INFORMATION SCIENCES

11.0111	Computer Appreciation
11.0131	Computer Applications
11.0132	Computer Applications, Independent Study

COMPUTER PROGRAMMING

11.0211	Computer Programming 1
11.0212	Computer Programming 2
11.0221	FORTRAN, Introduction
11.0231	PASCAL, Introduction
11.0241	BASIC, Introduction
11.0251	COBOL, Introduction
11.0200	Computer Programming, Other

DATA PROCESSING

11.0311	Data Processing, Introduction
11.0312	Data Processing, Intermediate
11.0313	Data Processing, Advanced
11.0300	Data Processing, Other

INFORMATION SCIENCES AND SYSTEMS

11.0400	Information Sciences and Systems, Other
11.0500	Systems Analysis, Other
11.9900	Computer and Information Sciences, Other

31.ALLIED HEALTH

DENTAL ASSISTANT/TECHNOLOGY

17.0111	Dental Assistant 1
17.0112	Dental Assistant 2
17.0121	Dental Assistant, Cooperative
17.0131	Dental Technology
17.0132	Dental Technology 2
17.0100	Dental Services, Other

DIAGNOSTIC AND TREATMENT SERVICES

17.0200	Diagnostic and Treatment Services, Other

LABORATORY/CHEMICAL TECHNOLOGY

17.0311	Laboratory Program 1
17.0312	Laboratory Program 2
17.0321	Chemical Technology 1
17.0322	Chemical Technology 2
17.0300	Medical Laboratory Technologies, Other

HOME HEALTH AIDE/COMMUNITY HEALTH

17.0411	Home Health Aide
17.0421	Community Health

HEALTH OCCUPATIONS

17.0531	Medical Terminology
17.0551	Medical Assisting
17.05[illegible]	Sports Medicine
17.0571	Veterinary Science
17.0581	Chemistry for Health Science
17.0591	Health Occupations, Independent Study
17.0500	Miscellaneous Allied Health Services, Other

NURSING

17.0611	Student Assessment of Child Health
17.0621	Nursing, Practical
17.0631	Nurse Aide and Orderly
17.0641	Nurse Aide, Cooperative
17.0651	Nurse's Mathematics
17.0600	Nursing-Related Services, Other

OPTHALMIC/REHABILITATION SERVICES

17.0700	Opthalmic Services, Other
17.0800	Rehabilitation Services, Other
17.9900	Allied Health, Other

32. ARCHITECTURE AND ENVIRONMENTAL DESIGN, VOCATIONAL HOME ECONOMICS, PARKS AND RECREATION, MUSEOLOGY, ENGINEERING

ARCHITECTURE AND ENVIRONMENTAL DESIGN

04.0100	Architecture and Environmental Design, Other General
04.0211	Architecture, Introduction
04.0212	Architecture, Advanced
04.0221	Architectural Theory
04.0200	Architecture, Other
04.0300	City, Commulty, and Regional Planning, Other
04.0700	Urban Design, Other
04.9900	Architecture and Environmental Design, Other

INSTITUTIONAL/HOME MANAGEMENT SERVICES

20.0621	Executive Housekeeping
20.0631	Homemaker's Aide
20.0641	Companion to the Aged
20.0651	Consumer Aide
20.0661	Therapeutic Recreation Aide
20.0600	Institutional, Home Management, and Supporting Services, Other
20.9900	Vocational Home Economics, Other

PARKS AND RECREATION

31.0111	Recreation Aide
31.0200	Outdoor Recreation, Other
31.0300	Parks and Recreation Management, Other
31.0400	Water Resources, Other
31.9900	Parks and Recreation, Other

MUSEOLOGY

25.0500	Museology, Other

ENGINEERING

15.0100	Achitectural Technologies, Other
15.0200	Civil Technologies, Other
15.0311	Audio Electronics
15.0321	Electrical Technology 1
15.0331	Electrical Technology 2
15.0300	Electrical and Electronic Technologies, Other
15.0411	Electromechanical Technology
15.0400	Electromechnical Instrumentation and Maintenance Technologies, Other
15.0511	Environmental Control Technologies
15.0500	Environmental Control Technologies, Other
15.0631	Optics Technology

15.0600	Industrial Production Technologies, Other
15.0711	Quality Control Technology
15.0700	Quality Control and Safety Technologies, Other
15.0800	Mechanical and Related Technologies, Other
15.0911	Mining Technology
15.0921	Petroleum Technology
15.0900	Mining and Petroleum Technologies, Other
15.9900	Engineering and Engineering - Related Technologies, Other

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